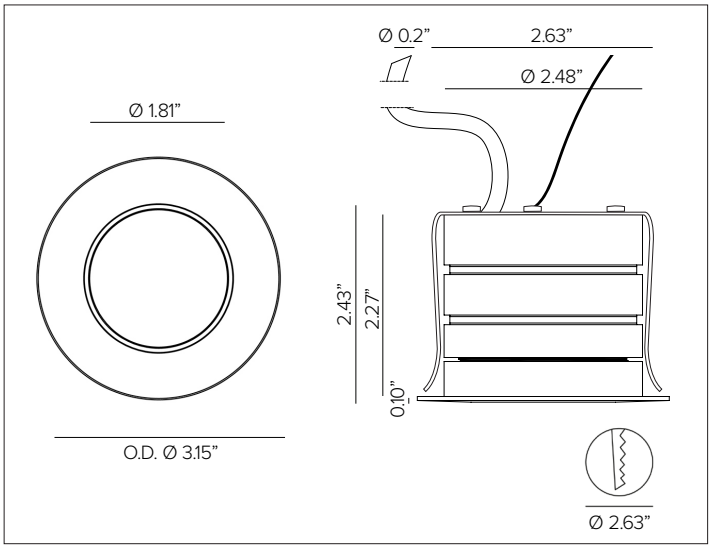
JUPITER DOWNLIGHT

Professional LED Downlight

JUPITER Shown in brushed natural finish.



RoHS3 Compliant | Marine[A] | IP69K | IP68 | cULus Class2

CONCEPT

Small scale compact recessed ingrade LED fixture for use in exterior or interior applications.

MECHANICAL CHARACTERISTICS

Housing	3.15"Dia. X 2.43"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. Stainless steel recessed spring clips for ceiling mounting.
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 downlight suitable for Class 2 installations for exterior or interior applications with ceiling thicknesses of 1/8" min. Not recommended for concrete ceilings, refer to ingrade version for this type of installation.
Weight	1.1lbs
Protection	IP68 / IP69K
Impact	IK10

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. 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	90	92	99	2
	3000K	90	92	101	2
	3500K	90	90	98	2
	4000K	90	90	98	2

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***	509Lm	526Lm	503Lm
Data represents max output version only, refer to photometry section for all fixture variations.	***3000K***	532Lm	550Lm	526Lm
	4000K	548Lm	567Lm	542Lm
	For 3500K lumen values use multiplier of 1.02 from 3000K.			
Efficacy	93Lm/W max. Refer to photometric graphs for specific values.			
Lifetime	L80/B10 >100,000hrs at max Tq +25ºC			
Photobiological Classification	Low risk safety RG1			

JUPITER DOWNLIGHT

SPECIFICATION INFORMATION

JUD							/	
1	2	3	4	5	6	7	8	9
							OPTIONAL	REQUIRED

Ex: JUDRSPL12724SS / DMLE301242UD

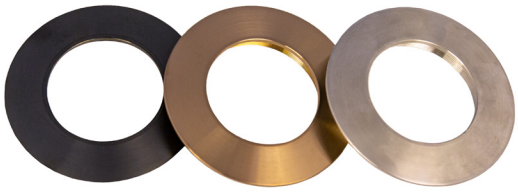
1 - PRODUCT CODE	2 - DRIVER	3 - OPTIC	4 - WATTAGE	5 - KELVIN	6 - VOLTAGE	7 - TRIM	8 - OPTICAL ACCESSORY
JUD — JUPITER DOWNLIGHT	**R** — Remote Driver	**SP** — SP **FL** — FL **WF** — WFL	**L1** — 7W	**27** — 2700K **30** — 3000K **35** — 3500K **40** — 4000K	**24** — 24V DC	**SS** — Natural **BZ** — Bronze PVD **BK** — Black PVD	**__** — No Accessory **LV** [D] — Honeycomb Louver **AS** [D] — Asymmetric Louver

9 - POWER SUPPLY
Power Supply *See section for details*

[D] Optical accessories are factory pre-installed integral to the fixture.

FINISHES

BLACK PVD *BRONZE PVD* *NATURAL*



OPTIC VERSIONS

NO OPTIC ACCESSORY

INTEGRAL HONEYCOMB LOUVER

Optical accessory is factory pre-installed integral to the fixture.

INTEGRAL ASYMMETRIC LOUVER

Optical accessory is factory pre-installed integral to the fixture.

JUPITER DOWNLIGHT

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	1%	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	10%	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	1%	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	10%	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	1%	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	10%	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	1%	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	1%	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	10%	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	10%	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	10%	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**

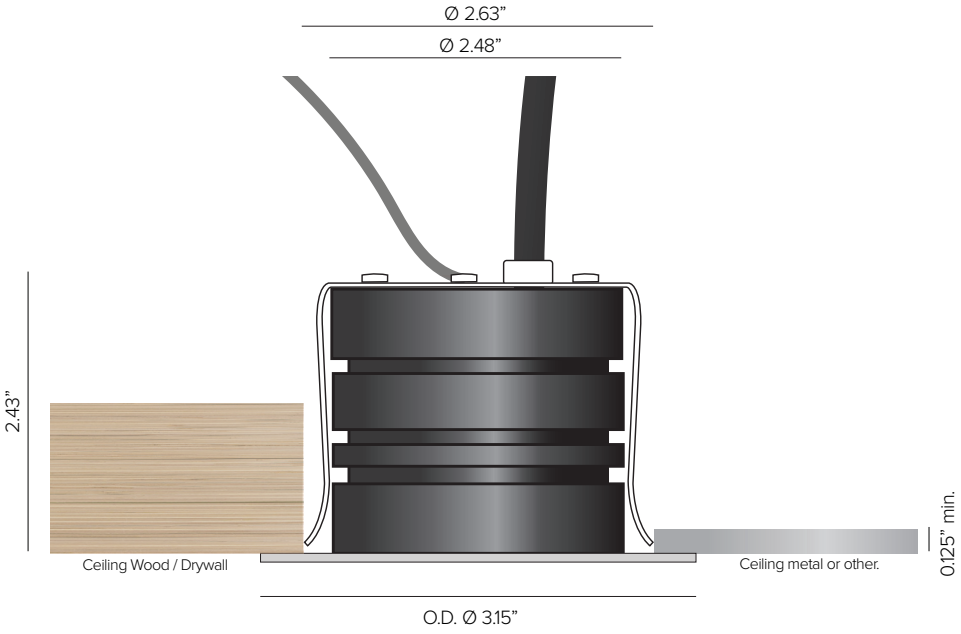
MAX CABLE DISTANCE

Fixture Wattage	No. Fixtures	Load	18 AWG	16 AWG	14 AWG	12 AWG
	3	**≤21W**	**55ft**	**85ft**	**140ft**	**220ft**
7W	**6**	**≤42W**	**31ft**	**50ft**	**80ft**	**125ft**
	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*

JUPITER DOWNLIGHT

INSTALLATION DIAGRAM

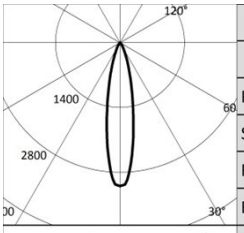


JUPITER DOWNLIGHT

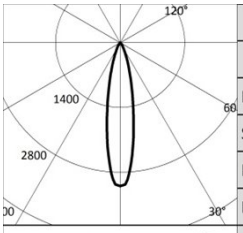
PHOTOMETRY

IES FILES WATTAGE AND EFFICIENCY CALCULATIONS BASED WITH SUPPLIED DRIVER

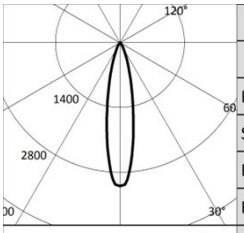
SPOT



2700K		H(m)	D(m)	Emax(lx)
Ra90			21°	
Fixture Power	7W	1	0.38	2234
Source Flux	723lm	2	0.75	558
Fixture Flux	509lm	3	1.13	248
Efficacy	76lm/W	4	1.50	140
TS1424 Imax=3090cd/klm	Imax 2234cd	5	1.88	89

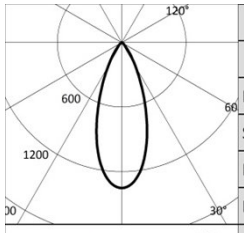


3000K		H(m)	D(m)	Emax(lx)
Ra90			21°	
Fixture Power	7W	1	0.38	2336
Source Flux	756lm	2	0.75	584
Fixture Flux	532lm	3	1.13	260
Efficacy	79lm/W	4	1.50	146
TS1424 Imax=3090cd/klm	Imax 2336cd	5	1.88	93

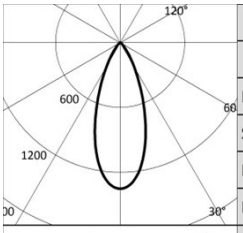


4000K		H(m)	D(m)	Emax(lx)
Ra90			21°	
Fixture Power	7W	1	0.38	2407
Source Flux	779lm	2	0.75	602
Fixture Flux	548lm	3	1.13	267
Efficacy	82lm/W	4	1.50	150
TS1424 Imax=3090cd/klm	Imax 2407cd	5	1.88	96

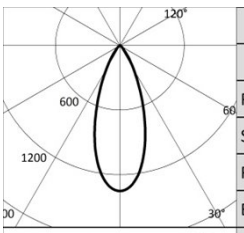
FLOOD



2700K		H(m)	D(m)	Emax(lx)
Ra90			39°	
Fixture Power	7W	1	0.71	976
Source Flux	723lm	2	1.41	244
Fixture Flux	526lm	3	2.12	108
Efficacy	79lm/W	4	2.83	61
TS1425 Imax=1349cd/klm	Imax 976cd	5	3.53	39

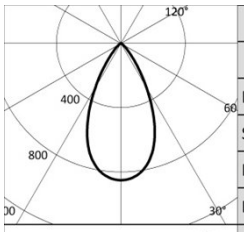


3000K		H(m)	D(m)	Emax(lx)
Ra90			39°	
Fixture Power	7W	1	0.71	1020
Source Flux	756lm	2	1.41	255
Fixture Flux	550lm	3	2.12	113
Efficacy	82lm/W	4	2.83	64
TS1425 Imax=1349cd/klm	Imax 1020cd	5	3.53	41

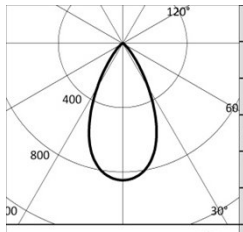


4000K		H(m)	D(m)	Emax(lx)
Ra90			39°	
Fixture Power	6W	1	0.71	1051
Source Flux	779lm	2	1.41	263
Fixture Flux	567lm	3	2.12	117
Efficacy	93lm/W	4	2.83	66
TS1425 Imax=1349cd/klm	Imax 1051cd	5	3.53	42

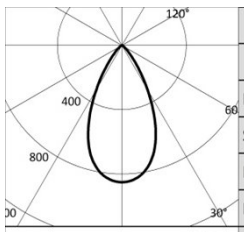
WIDE FLOOD



2700K		H(m)	D(m)	Emax(lx)
Ra90			53°	
Fixture Power	7W	1	0.99	614
Source Flux	723lm	2	1.99	154
Fixture Flux	503lm	3	2.98	68
Efficacy	75lm/W	4	3.98	38
TS1426 Imax=849cd/klm	Imax 614cd	5	4.97	25



3000K		H(m)	D(m)	Emax(lx)
Ra90			53°	
Fixture Power	7W	1	0.99	642
Source Flux	756lm	2	1.99	161
Fixture Flux	526lm	3	2.98	71
Efficacy	79lm/W	4	3.98	40
TS1426 Imax=849cd/klm	Imax 642cd	5	4.97	26



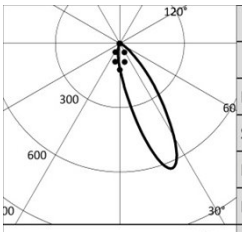
4000K		H(m)	D(m)	Emax(lx)
Ra90			53°	
Fixture Power	7W	1	0.99	662
Source Flux	779lm	2	1.99	165
Fixture Flux	542lm	3	2.98	74
Efficacy	81lm/W	4	3.98	41
TS1426 Imax=849cd/klm	Imax 662cd	5	4.97	26

JUPITER DOWNLIGHT

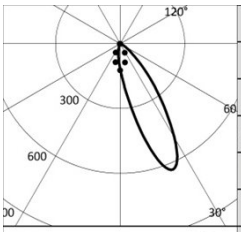
PHOTOMETRY

IES FILES WATTAGE AND EFFICIENCY CALCULATIONS BASED WITH SUPPLIED DRIVER

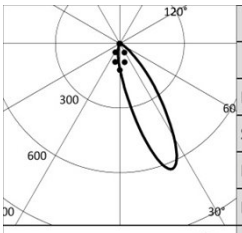
SPOT ASYMMETRIC LOUVER



2700K		H(m)	D1(m)	D2(m)	Emax(lx)
Ra90			26°	26°	
Fixture Power	7W	1	0.56	0.50	365
Source Flux	723lm	2	1.11	1.00	91
Fixture Flux	153lm	3	1.67	1.51	41
Efficacy	23lm/W	4	2.22	2.01	23
TS1430 Imax=628cd/klm	Imax 454cd	5	2.78	2.51	15

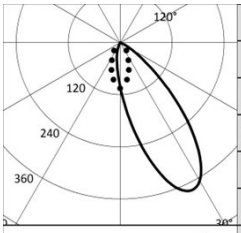


3000K		H(m)	D1(m)	D2(m)	Emax(lx)
Ra90			26°	26°	
Fixture Power	7W	1	0.56	0.50	381
Source Flux	756lm	2	1.11	1.00	95
Fixture Flux	161lm	3	1.67	1.51	42
Efficacy	24lm/W	4	2.22	2.01	24
TS1430 Imax=628cd/klm	Imax 475cd	5	2.78	2.51	15

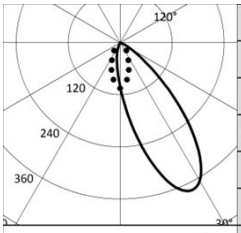


4000K		H(m)	D1(m)	D2(m)	Emax(lx)
Ra90			26°	26°	
Fixture Power	7W	1	0.56	0.50	393
Source Flux	779lm	2	1.11	1.00	98
Fixture Flux	165lm	3	1.67	1.51	44
Efficacy	25lm/W	4	2.22	2.01	25
TS1430 Imax=628cd/klm	Imax 489cd	5	2.78	2.51	16

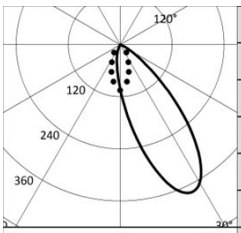
FLOOD ASYMMETRIC LOUVER



2700K		H(m)	D1(m)	D2(m)	Emax(lx)
Ra90			36°	41°	
Fixture Power	7W	1	0.82	0.82	209
Source Flux	723lm	2	1.64	1.64	52
Fixture Flux	147lm	3	2.46	2.46	23
Efficacy	22lm/W	4	3.29	3.29	13
TS1431 Imax=377cd/klm	Imax 273cd	5	4.11	4.11	8

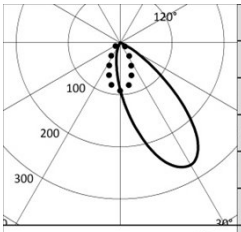


3000K		H(m)	D1(m)	D2(m)	Emax(lx)
Ra90			36°	41°	
Fixture Power	7W	1	0.82	0.82	218
Source Flux	756lm	2	1.64	1.64	55
Fixture Flux	154lm	3	2.46	2.46	24
Efficacy	23lm/W	4	3.29	3.29	14
TS1431 Imax=377cd/klm	Imax 285cd	5	4.11	4.11	9

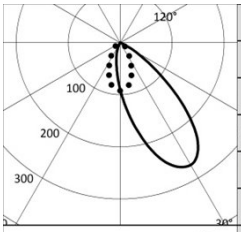


4000K		H(m)	D1(m)	D2(m)	Emax(lx)
Ra90			36°	41°	
Fixture Power	7W	1	0.82	0.82	225
Source Flux	779lm	2	1.64	1.64	56
Fixture Flux	159lm	3	2.46	2.46	25
Efficacy	24lm/W	4	3.29	3.29	14
TS1431 Imax=377cd/klm	Imax 294cd	5	4.11	4.11	9

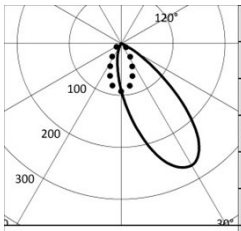
WIDE FLOOD ASYMMETRIC LOUVER



2700K		H(m)	D1(m)	D2(m)	Emax(lx)
Ra90			42°	49°	
Fixture Power	7W	1	1.01	1.05	144
Source Flux	723lm	2	2.01	2.11	36
Fixture Flux	136lm	3	3.02	3.16	16
Efficacy	20lm/W	4	4.03	4.22	9
TS1432 Imax=270cd/klm	Imax 195cd	5	5.03	5.27	6



3000K		H(m)	D1(m)	D2(m)	Emax(lx)
Ra90			42°	49°	
Fixture Power	7W	1	1.01	1.05	151
Source Flux	756lm	2	2.01	2.11	38
Fixture Flux	143lm	3	3.02	3.16	17
Efficacy	21lm/W	4	4.03	4.22	9
TS1432 Imax=270cd/klm	Imax 204cd	5	5.03	5.27	6



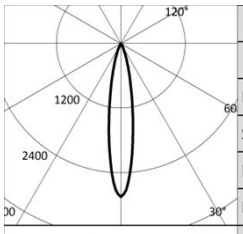
4000K		H(m)	D1(m)	D2(m)	Emax(lx)
Ra90			42°	49°	
Fixture Power	7W	1	1.01	1.05	155
Source Flux	779lm	2	2.01	2.11	39
Fixture Flux	147lm	3	3.02	3.16	17
Efficacy	22lm/W	4	4.03	4.22	10
TS1432 Imax=270cd/klm	Imax 211cd	5	5.03	5.27	6

JUPITER DOWNLIGHT

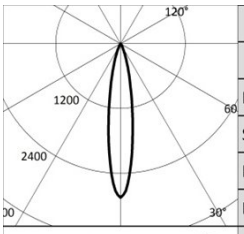
PHOTOMETRY

IES FILES WATTAGE AND EFFICIENCY CALCULATIONS BASED WITH SUPPLIED DRIVER

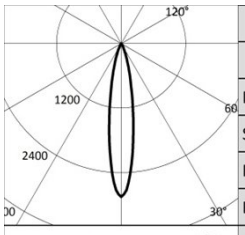
SPOT HONEYCOMB LOUVER



2700K		H(m)	D(m)	Emax(lx)
Ra90			18°	
Fixture Power	7W	1	0.32	2056
Source Flux	723lm	2	0.63	514
Fixture Flux	319lm	3	0.95	228
Efficacy	48lm/W	4	1.27	129
TS1427 Imax=2844cd/klm	Imax 2056cd	5	1.59	82

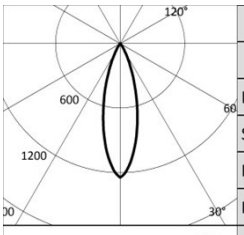


3000K		H(m)	D(m)	Emax(lx)
Ra90			18°	
Fixture Power	7W	1	0.32	2150
Source Flux	756lm	2	0.63	537
Fixture Flux	334lm	3	0.95	239
Efficacy	50lm/W	4	1.27	134
TS1427 Imax=2844cd/klm	Imax 2150cd	5	1.59	86

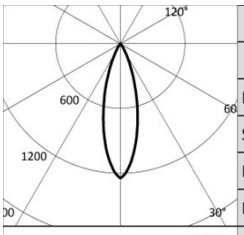


4000K		H(m)	D(m)	Emax(lx)
Ra90			18°	
Fixture Power	7W	1	0.32	2215
Source Flux	779lm	2	0.63	554
Fixture Flux	344lm	3	0.95	246
Efficacy	51lm/W	4	1.27	138
TS1427 Imax=2844cd/klm	Imax 2215cd	5	1.59	89

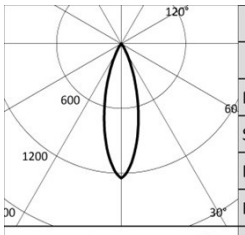
FLOOD HONEYCOMB LOUVER



2700K		H(m)	D(m)	Emax(lx)
Ra90			29°	
Fixture Power	7W	1	0.52	897
Source Flux	723lm	2	1.05	224
Fixture Flux	286lm	3	1.57	100
Efficacy	43lm/W	4	2.09	56
TS1428 Imax=1241cd/klm	Imax 897cd	5	2.61	36

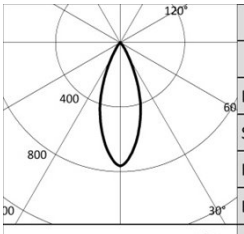


3000K		H(m)	D(m)	Emax(lx)
Ra90			29°	
Fixture Power	7W	1	0.52	938
Source Flux	756lm	2	1.05	235
Fixture Flux	299lm	3	1.57	104
Efficacy	45lm/W	4	2.09	59
TS1428 Imax=1241cd/klm	Imax 938cd	5	2.61	38

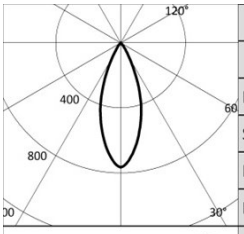


4000K		H(m)	D(m)	Emax(lx)
Ra90			29°	
Fixture Power	7W	1	0.52	967
Source Flux	779lm	2	1.05	242
Fixture Flux	308lm	3	1.57	107
Efficacy	46lm/W	4	2.09	60
TS1428 Imax=1241cd/klm	Imax 967cd	5	2.61	39

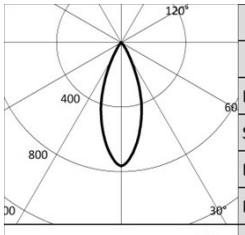
WIDE FLOOD HONEYCOMB LOUVER



2700K		H(m)	D(m)	Emax(lx)
Ra90			38°	
Fixture Power	7W	1	0.68	552
Source Flux	723lm	2	1.37	138
Fixture Flux	248lm	3	2.05	61
Efficacy	37lm/W	4	2.73	34
TS1429 Imax=763cd/klm	Imax 552cd	5	3.41	22



3000K		H(m)	D(m)	Emax(lx)
Ra90			38°	
Fixture Power	7W	1	0.68	577
Source Flux	756lm	2	1.37	144
Fixture Flux	259lm	3	2.05	64
Efficacy	39lm/W	4	2.73	36
TS1429 Imax=763cd/klm	Imax 577cd	5	3.41	23



4000K		H(m)	D(m)	Emax(lx)
Ra90			38°	
Fixture Power	7W	1	0.68	595
Source Flux	779lm	2	1.37	149
Fixture Flux	267lm	3	2.05	66
Efficacy	40lm/W	4	2.73	37
TS1429 Imax=763cd/klm	Imax 595cd	5	3.41	24