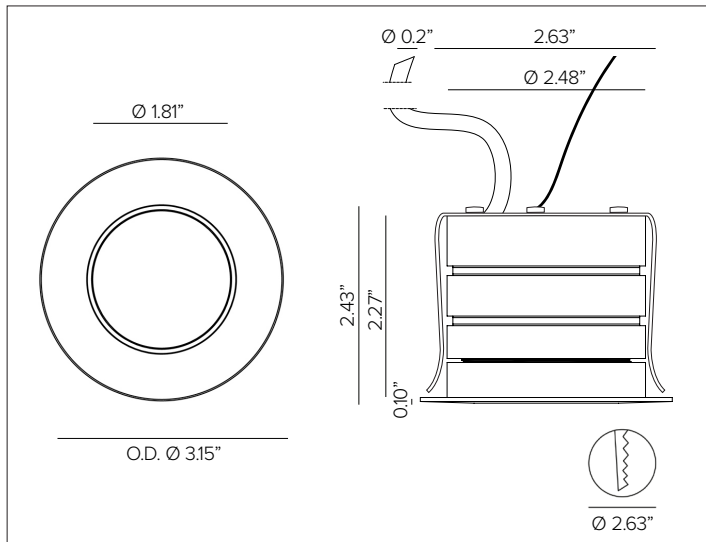


JUPITER DOWNLIGHT

Professional LED Downlight



JUPITER Shown in brushed natural finish.



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 and 24"L stainless steel tether cable.
Finish	<input type="radio"/> Brushed Natural <input type="radio"/> Bronze PVD* <input type="radio"/> 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	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 3000K 680Lm 4000K 704Lm	674Lm 704Lm 728Lm	644Lm 673Lm 696Lm
Efficacy	93Lm/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		

Data represents max output version only, refer to photometry section for all fixture variations.
For 3500K lumen values use multiplier of 1.015 from 3000K.

JUPITER DOWNLIGHT

SPECIFICATION INFORMATION



Ex: JUDRSPL22724SS / 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	L2 — 7W	27 — 2700K 30 — 3000K 35 — 3500K 40 — 4000K	24 — 24V DC	SS — Natural BZ — Bronze PVD BK — Black PVD	— — No Accessory LV ^P — Honeycomb Louver AS ^P — Asymmetric Louver

9 - POWER SUPPLY

[Power Supply](#)
See section for details

^P Optical accessories are factory pre-installed integral to the fixture.

FINISHES

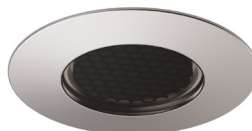


OPTIC VERSIONS

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

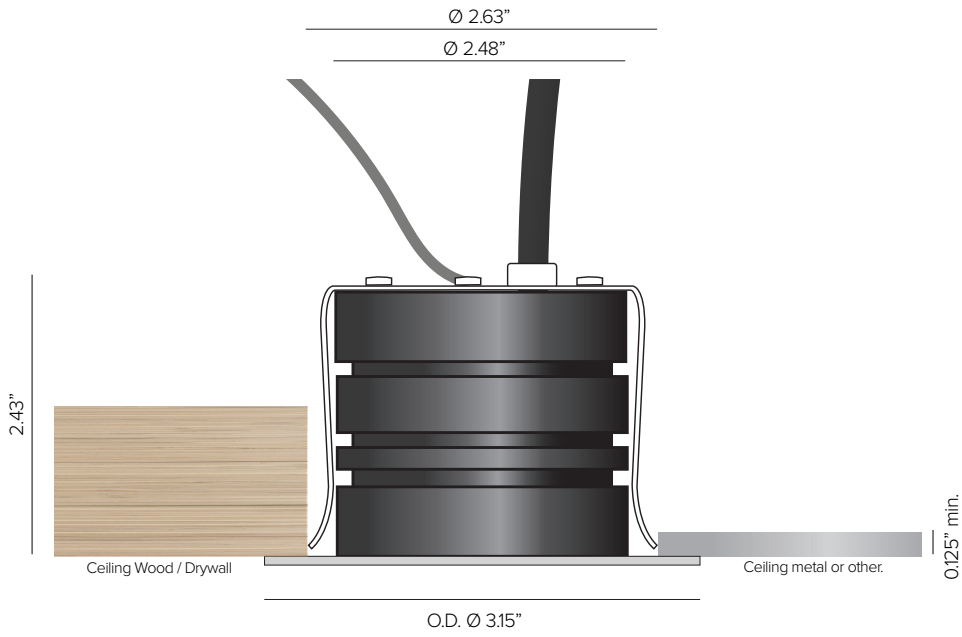
MAX CABLE DISTANCE

Fixture Wattage	No. Fixtures	Load	18 AWG	16 AWG	14 AWG	12 AWG
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

JUPITER DOWNLIGHT

INSTALLATION DIAGRAM



JUPITER DOWNLIGHT

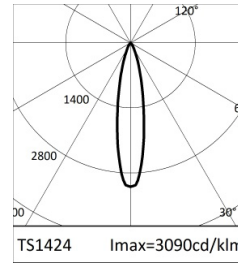
PHOTOMETRY

IES FILES WATTAGE AND EFFICIENCY CALCULATIONS BASED WITH SUPPLIED DRIVER

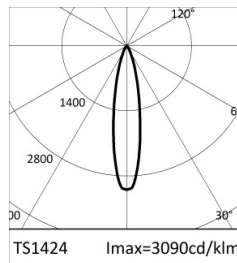
SPOT



2700K		H(m)	D(m)	Emax(lx)	
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

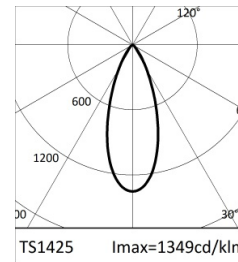


4000K		H(m)	D(m)	Emax(lx)	
Ra80			21°		
Fixture Power	7W	1	0.38	3093	
Source Flux	1001lm	2	0.75	773	
Fixture Flux	704lm	3	1.13	344	
Efficacy	104lm/W	4	1.50	193	
TS1424	Imax=3090cd/klm	Imax	3093cd	5	1.88 124

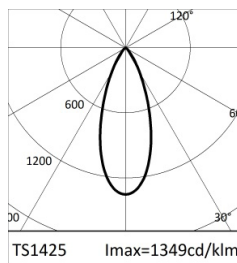
FLOOD



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

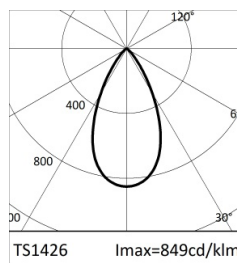


3000K		H(m)	D(m)	Emax(lx)	
Ra80			39°		
Fixture Power	7W	1	0.71	1305	
Source Flux	967lm	2	1.41	326	
Fixture Flux	704lm	3	2.12	145	
Efficacy	103lm/W	4	2.83	82	
TS1425	Imax=1349cd/klm	Imax	1305cd	5	3.53 52

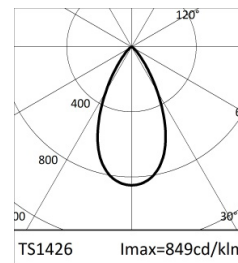


4000K		H(m)	D(m)	Emax(lx)	
Ra80			39°		
Fixture Power	7W	1	0.71	1351	
Source Flux	1001lm	2	1.41	338	
Fixture Flux	728lm	3	2.12	150	
Efficacy	107lm/W	4	2.83	84	
TS1425	Imax=1349cd/klm	Imax	1351cd	5	3.53 54

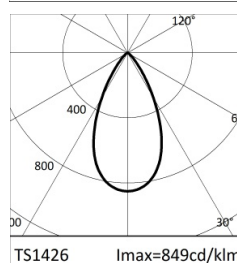
WIDE FLOOD



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

JUPITER DOWNLIGHT

PHOTOMETRY

IES FILES WATTAGE AND EFFICIENCY CALCULATIONS BASED WITH SUPPLIED DRIVER

SPOT ASYMMETRIC LOUVER

	2700K	H(m)	D1(m)	D2(m)	E _{max} (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	I _{max} =628cd/klm	I _{max}	582cd	5	2.78	2.51	19

	3000K	H(m)	D1(m)	D2(m)	E _{max} (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	I _{max} =628cd/klm	I _{max}	607cd	5	2.78	2.51	20

	4000K	H(m)	D1(m)	D2(m)	E _{max} (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	I _{max} =628cd/klm	I _{max}	629cd	5	2.78	2.51	20

FLOOD ASYMMETRIC LOUVER

	2700K	H(m)	D1(m)	D2(m)	E _{max} (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	I _{max} =377cd/klm	I _{max}	349cd	5	4.11	4.11	11

	3000K	H(m)	D1(m)	D2(m)	E _{max} (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	I _{max} =377cd/klm	I _{max}	365cd	5	4.11	4.11	11

	4000K	H(m)	D1(m)	D2(m)	E _{max} (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	I _{max} =377cd/klm	I _{max}	377cd	5	4.11	4.11	12

WIDE FLOOD ASYMMETRIC LOUVER

	2700K	H(m)	D1(m)	D2(m)	E _{max} (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	I _{max} =270cd/klm	I _{max}	250cd	5	5.03	5.27	7

	3000K	H(m)	D1(m)	D2(m)	E _{max} (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	I _{max} =270cd/klm	I _{max}	261cd	5	5.03	5.27	8

	4000K	H(m)	D1(m)	D2(m)	E _{max} (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	I _{max} =270cd/klm	I _{max}	271cd	5	5.03	5.27	8

JUPITER DOWNLIGHT

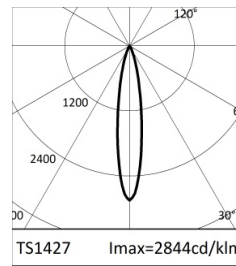
PHOTOMETRY

IES FILES WATTAGE AND EFFICIENCY CALCULATIONS BASED WITH SUPPLIED DRIVER

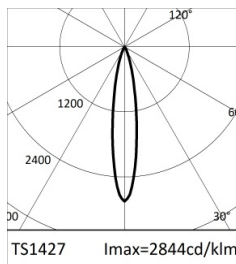
SPOT HONEYCOMB LOUVER



		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	I _{max} =2844cd/klm	I _{max}	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	I _{max} =2844cd/klm	I _{max}	2750cd	5	1.59	110

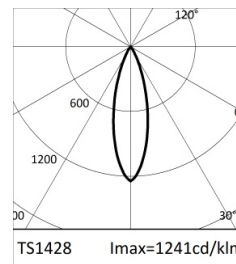


		4000K	H(m)	D(m)	Emax(lx)	
		Ra80		18°		
Fixture Power	7W	1	0.32	2847		
Source Flux	1001lm	2	0.63	712		
Fixture Flux	442lm	3	0.95	316		
Efficacy	65lm/W	4	1.27	178		
TS1427	I _{max} =2844cd/klm	I _{max}	2847cd	5	1.59	114

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	I _{max} =1241cd/klm	I _{max}	1149cd	5	2.61	46

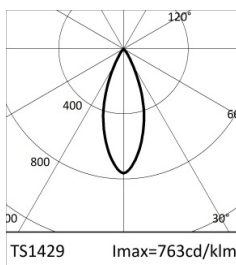


		3000K	H(m)	D(m)	Emax(lx)	
		Ra80		29°		
Fixture Power	7W	1	0.52	1200		
Source Flux	967lm	2	1.05	300		
Fixture Flux	383lm	3	1.57	133		
Efficacy	56lm/W	4	2.09	75		
TS1428	I _{max} =1241cd/klm	I _{max}	1200cd	5	2.61	48

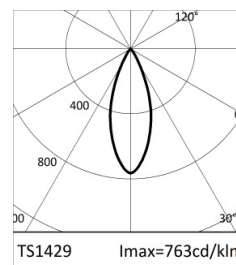


		4000K	H(m)	D(m)	Emax(lx)	
		Ra80		29°		
Fixture Power	7W	1	0.52	1243		
Source Flux	1001lm	2	1.05	311		
Fixture Flux	396lm	3	1.57	138		
Efficacy	58lm/W	4	2.09	78		
TS1428	I _{max} =1241cd/klm	I _{max}	1243cd	5	2.61	50

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	I _{max} =763cd/klm	I _{max}	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	I _{max} =763cd/klm	I _{max}	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	I _{max} =763cd/klm	I _{max}	764cd	5	3.41	31