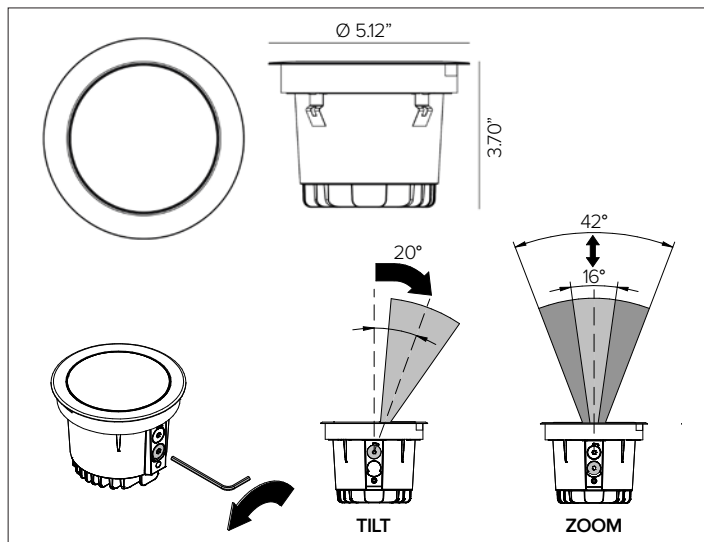


KEPLERO QUANTUM ADJUSTABLE 130 (5")

Professional Recessed Inground LED Luminaire



CONCEPT

A compact fully sealed corrosion-resistant inground LED luminaire designed for high-performance precision optics outdoor architectural lighting.

MECHANICAL CHARACTERISTICS

Housing	3.70"H x 5.12"Dia.
Materials	Marine-grade anodized cataphoresis ^A die-cast aluminum heat sink body with stainless steel ingrade connection box and PVC installation sleeve. AISI 316L stainless steel flat trim ring with extra-clear glass lens, optional anti-slip.
Finish	● Brushed Natural ● Bronze PVD* ● Black PVD* *Physical Vapor Deposition.
Power Connection	Pre-cabled with 2ft direct burial 18-2ga with water proof ingrade three conductor for connection to remote power supply.
Functionality	Factory-sealed luminaire with external side-mounted tilt and/or Zoom adjustment, enabling precise aiming without opening the fixture and preserving housing integrity. Vertical adjustment up to 20°.
Mounting	Installation sleeve for flush or surface mounting.
Protection	IP68 ^B
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.
Tested in accordance with LM-79-08.
Compliant for California installations.
IEC 62471
RoHS3 EU 215/863

SUSTAINABILITY

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

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.

ELECTRICAL CHARACTERISTICS

Power Supply	Remote Class 2 120V-277V AC power supply required.
Wattage	10W (NSP) ONLY / 13W (SP / FL / ZM) ONLY
Voltage	24V DC OR 700mA (SP / FL / ZM) / 525mA (NSP)
Ambient Temp.	-25°C / +35°C (95°F)

SOURCE

High efficiency LED Chip on Board.

TM30	CCT (Nominal)	CRI	R _f	R _g	SDCM
	2200K	90	91	101	2
	2700K	80	80	97	2
	3000K	80	84	97	2
	3500K	80	82	96	2
	4000K	80	81	97	2

Ro90 available upon request

OPTIC

Optical system is dependent on beam angle. NSP / SP / FL versions comprised of optical grade PMMA lens and holographic diffusing filter. ZOOM version comprised of a double optical grade PMMA lens and a holographic diffusing filter for continuous adjustment of the beam angle 16°–42°.

Beam	NSP 10°	SP 15°	FL 24°	ZOOM 16° – 42°
Delivered Lumens				
2200K	581Lm	1,014Lm	918Lm	889Lm - 857Lm
2700K	805Lm	1,337Lm	1,210Lm	1,172Lm - 1,129Lm
3000K	852Lm	1,413Lm	1,279Lm	1,239Lm - 1,194Lm
4000K	883Lm	1,470Lm	1,330Lm	1,289Lm - 1,242Lm

For 3500K lumen values use multiplier of 1.01 from 3000K.

Efficacy	111lm / W max. Refer to photometric graphs for specific values.
Photobiological Classification	Low risk safety RG1

KEPLERO QUANTUM ADJUSTABLE 130 (5")

SPECIFICATION INFORMATION

QUA	5								
1	2	3	4	5	6	7	8	9	10

Ex: QUA5CBSSPL230 / 1USA122BS / PS125

OPTIONAL

REQUIRED

1 - PRODUCT CODE	2 - SIZE	3 - REMOTE DRIVER	4 - TRIM	5 - OPTICS	6 - WATTAGE	7 - KELVIN	8 - ACCESSORIES
QUA — KEPLERO QUANTUM ADJUSTABLE	5 — 5" Dia.	V — Standard Dimming to 15% C — Premium Dim-to-Dark 0%	BS — Brushed Natural BZ — Bronze BK — Black SA — Brushed Natural Anti-Slip ZA — Bronze Anti-Slip KA — Black Anti-Slip	NS — NSP 10° SP — SP 15° FL — FL 24° ZM ^c — ZOOM 16° - 42°	L1 ^d — 10W L2 ^e — 13W	22 — 2200K 27 — 2700K 30 — 3000K 35 — 3500K 40 — 4000K	LV ^c — Integral Honeycomb Louver
9 - INSTALLATION	10 - POWER SUPPLY						
Installation Sleeve See section for details	Power Supply See section for details						

^c Integral honeycomb louver not compatible with ZM optics.

^d 10W version available with NS optic only

^e 2W versions available with SP / FL / ZM optics only.

TRIM VERSIONS

BRUSHED NATURAL WITH
ANTI-SLIP GLASS



BRONZE PVD WITH
ANTI-SLIP GLASS



BLACK PVD WITH
ANTI-SLIP GLASS



OPTIC VERSIONS

NSP / SP / FL



ZOOM



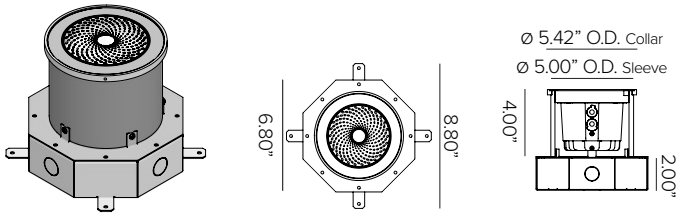
OPTICAL ACCESSORIES

INTEGRAL HONEYCOMB LOUVER



KEPLERO QUANTUM ADJUSTABLE 130 (5")

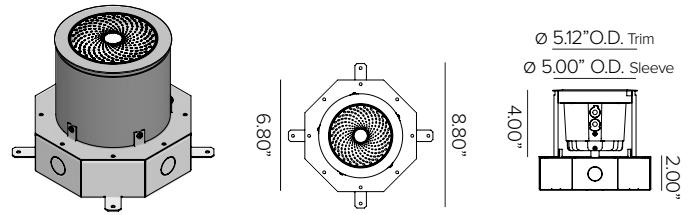
9 - INSTALLATION (REQUIRED)



Installation sleeve designed for flush mounting of the trim. Stainless steel ingrade connection box with PVC installation sleeve and 316 stainless steel collar. Complete with a cover to protect the recessed housing during concrete pouring.

Finish ● Brushed Natural ● Bronze ● Black

Part No. **1USA122BS** **1USA122BZ** **1USA122BK**



Installation sleeve designed for surface mounting of the trim. Stainless steel ingrade connection box with PVC installation sleeve. Complete with a cover to protect the recessed housing during concrete pouring.

Part No. **1USA121**

KEPLERO QUANTUM ADJUSTABLE 130 (5")

10 - POWER SUPPLY (REQUIRED)

STANDARD DIMMING POWER SUPPLIES VERSIONS ONLY – ENCLOSURE ONLY

Part No.	Wattage	Control	Dim Range	Rating	In / Out Voltage	Certification	Dimensions (Enclosure)	Description
DMLE301242UD	30W	MLV / ELV / 0-10V / TRIAC	15%	NEMA3R	120-277V / 24V	UL Class 2	4.47" X 6.79" X 1.38"	EMCOD MLE-UD electronic driver with wiring compartment.
DMLE601242UD	60W	MLV / ELV / 0-10V / TRIAC	15%	NEMA3R	120-277V / 24V	UL Class 2	4.47" X 6.79" X 1.38"	EMCOD MLE-UD electronic driver with wiring compartment.
DMLE961242UD	96W	MLV / ELV / 0-10V / TRIAC	15%	NEMA3R	120-277V / 24V	UL Class 2	5.16" X 7.73" X 1.54"	EMCOD MLE-UD electronic driver with wiring compartment.
DMLE1922242UD	2X96W	MLV / ELV / 0-10V / TRIAC	15%	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	15%	NEMA3R	120-277V / 24V	UL Class 2	5.04" X 10.94" X 1.81"	EMCOD MLE-UD electronic driver with wiring compartment.

MAX FIXTURES PER DRIVER

Fixture Wattage	Driver Wattage					
	30W	60W	96W	2 x 96W	3 x 96W	
	10W	2	5	8	8 + 8	8 + 8 + 8
	13W	2	4	6	6 + 6	6 + 6 + 6

MAX CABLE DISTANCE

Fixture Wattage	No. Fixtures	Load	18 AWG	16 AWG	14 AWG	12 AWG
10W	2	≤20W	67ft	106ft	169ft	270ft
	5	≤50W	27ft	42ft	68ft	108ft
	8	≤80W	16ft	26ft	42ft	67ft
13W	2	≤26W	51ft	82ft	130ft	208ft
	4	≤52W	26ft	41ft	66ft	105ft
	6	≤78W	17ft	27ft	43ft	69ft

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

PREMIUM DIMMING POWER SUPPLIES VERSIONS ONLY – ENCLOSURE ONLY

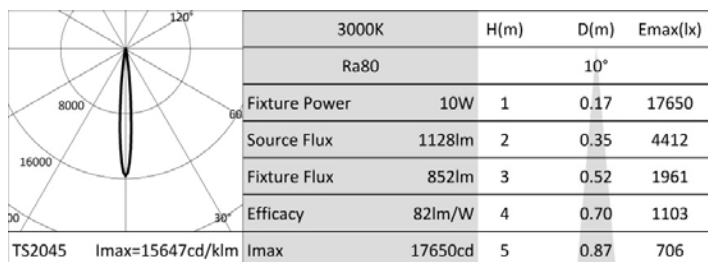
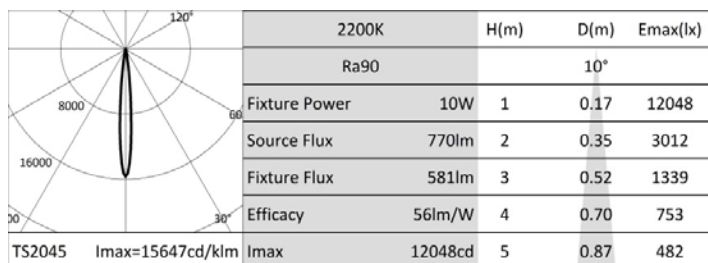
Part No.	Wattage	Control	Dim Range	Rating	In / Out Voltage	Certification	Dimensions	Description
PS120	10W (ONE 10W Fixture)	0-10V	0%	NEMA3R	120-277V 1 X 525mA	UL Class 2 Type TL	6.25" x 4.00" x 2.38"	EldoLED SOLOdrive 50W with enclosure box, black finish, one output.
PS121	20W (TWO 10W Fixture)	0-10V GROUP	0%	NEMA3R	120-277V 2 X 525mA	UL Class 2 Type TL	6.25" x 4.00" x 2.38"	EldoLED SOLOdrive 50W with enclosure box, black finish, two outputs.
PS122	30W (THREE 10W Fixture)	0-10V GROUP	0%	NEMA3R	120-277V 3 X 525mA	UL Class 2 Type TL	6.25" x 4.00" x 2.38"	EldoLED SOLOdrive 50W with enclosure box, black finish, three outputs.
PS123	40W (FOUR 10W Fixture)	0-10V GROUP	0%	NEMA3R	120-277V 4 X 525mA	UL Class 2 Type TL	6.25" x 4.00" x 2.38"	EldoLED SOLOdrive 50W with enclosure box, black finish, four outputs.
PS125	13W (ONE 13W Fixture)	0-10V	0%	NEMA3R	120-277V 1 X 700mA	UL Class 2 Type TL	6.25" x 4.00" x 2.38"	EldoLED SOLOdrive 50W with enclosure box, black finish, one output.
PS126	26W (TWO 13W Fixture)	0-10V GROUP	0%	NEMA3R	120-277V 2 X 700mA	UL Class 2 Type TL	6.25" x 4.00" x 2.38"	EldoLED SOLOdrive 50W with enclosure box, black finish, two outputs.
PS127	39W (THREE 13W Fixture)	0-10V GROUP	0%	NEMA3R	120-277V 3 X 700mA	UL Class 2 Type TL	6.25" x 4.00" x 2.38"	EldoLED SOLOdrive 50W with enclosure box, black finish, three outputs.

Consult factory for other driver and control configurations.

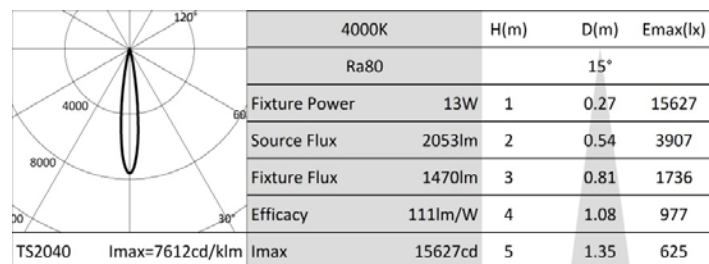
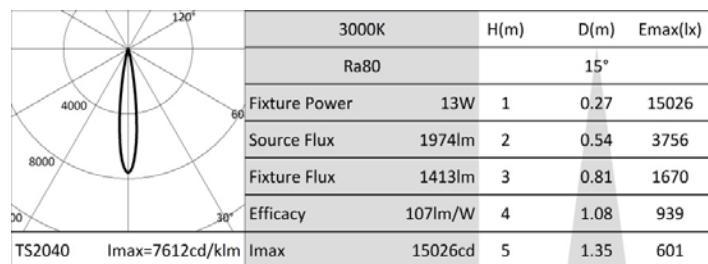
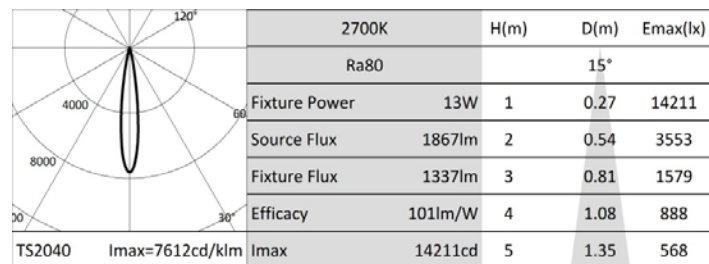
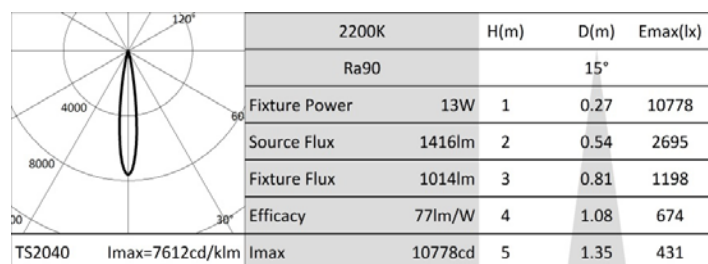
KEPLERO QUANTUM ADJUSTABLE 130 (5")

PHOTOMETRY

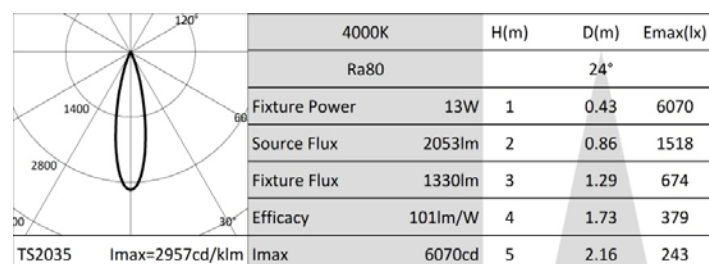
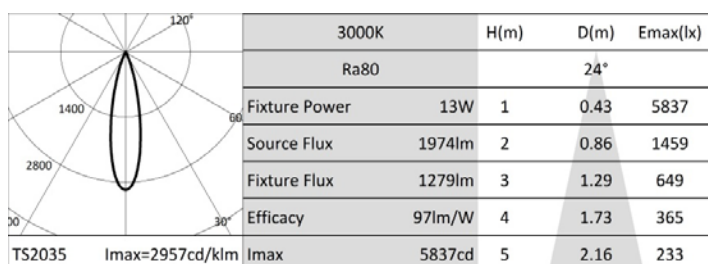
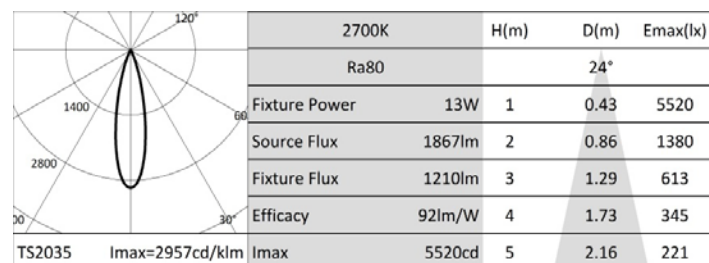
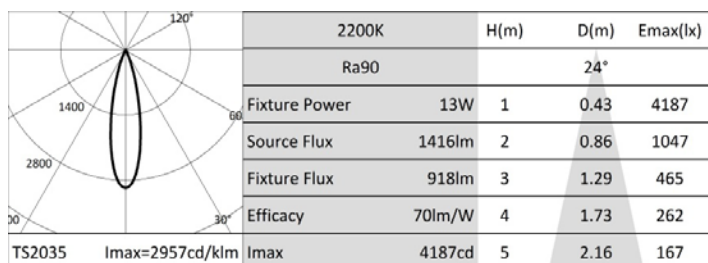
NARROW SPOT



SPOT



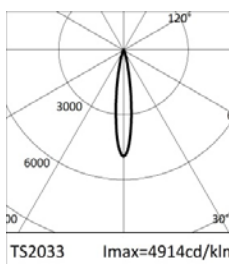
FLOOD



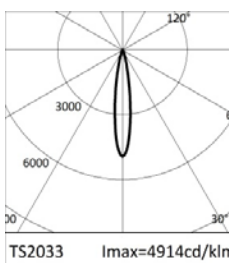
KEPLERO QUANTUM ADJUSTABLE 130 (5")

PHOTOMETRY

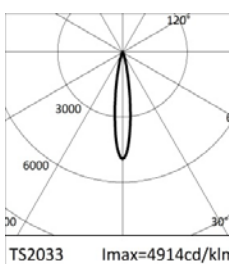
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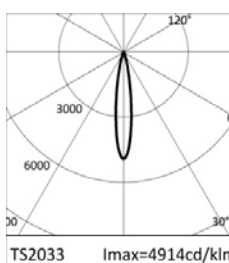
2200K	H(m)	D(m)	Emax(lx)
Ra90		16°	
Fixture Power	13W	1	0.29
Source Flux	1416lm	2	0.58
Fixture Flux	889lm	3	0.87
Efficacy	67lm/W	4	1.16
TS2033	Imax=4914cd/klm	Imax	6958cd
		5	1.45
			278



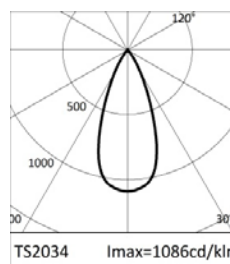
2700K	H(m)	D(m)	Emax(lx)
Ra80		16°	
Fixture Power	13W	1	0.29
Source Flux	1867lm	2	0.58
Fixture Flux	1172lm	3	0.87
Efficacy	89lm/W	4	1.16
TS2033	Imax=4914cd/klm	Imax	9174cd
		5	1.45
			367



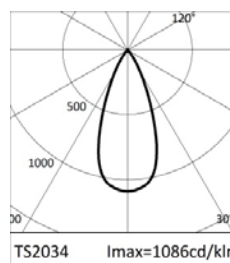
3000K	H(m)	D(m)	Emax(lx)
Ra80		16°	
Fixture Power	13W	1	0.29
Source Flux	1974lm	2	0.58
Fixture Flux	1239lm	3	0.87
Efficacy	94lm/W	4	1.16
TS2033	Imax=4914cd/klm	Imax	9700cd
		5	1.45
			388



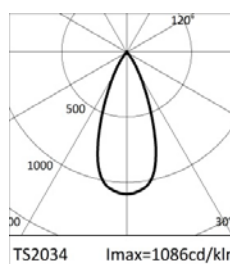
4000K	H(m)	D(m)	Emax(lx)
Ra80		16°	
Fixture Power	13W	1	0.29
Source Flux	2053lm	2	0.58
Fixture Flux	1289lm	3	0.87
Efficacy	98lm/W	4	1.16
TS2033	Imax=4914cd/klm	Imax	10088cd
		5	1.45
			404



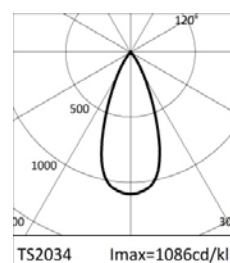
2200K	H(m)	D(m)	Emax(lx)
Ra90		42°	
Fixture Power	13W	1	0.77
Source Flux	1416lm	2	1.54
Fixture Flux	857lm	3	2.31
Efficacy	65lm/W	4	3.08
TS2034	Imax=1086cd/klm	Imax	1538cd
		5	3.85
			62



2700K	H(m)	D(m)	Emax(lx)
Ra80		42°	
Fixture Power	13W	1	0.77
Source Flux	1867lm	2	1.54
Fixture Flux	1129lm	3	2.31
Efficacy	86lm/W	4	3.08
TS2034	Imax=1086cd/klm	Imax	2028cd
		5	3.85
			81



3000K	H(m)	D(m)	Emax(lx)
Ra80		42°	
Fixture Power	13W	1	0.77
Source Flux	1974lm	2	1.54
Fixture Flux	1194lm	3	2.31
Efficacy	90lm/W	4	3.08
TS2034	Imax=1086cd/klm	Imax	2144cd
		5	3.85
			86

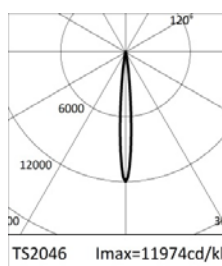


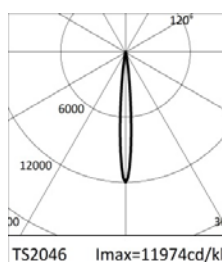
4000K	H(m)	D(m)	Emax(lx)
Ra80		42°	
Fixture Power	13W	1	0.77
Source Flux	2053lm	2	1.54
Fixture Flux	1242lm	3	2.31
Efficacy	94lm/W	4	3.08
TS2034	Imax=1086cd/klm	Imax	2230cd
		5	3.85
			89

KEPLERO QUANTUM ADJUSTABLE 130 (5")

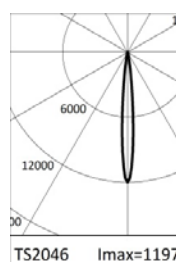
PHOTOMETRY

NARROW SPOT WITH HONEYCOMB LOUVER

	2200K	H(m)	D(m)	Emax(lx)		
	Ra90		10°			
	Fixture Power	10W	1	0.17	9220	
	Source Flux	770lm	2	0.34	2305	
	Fixture Flux	410lm	3	0.51	1024	
	Efficacy	39lm/W	4	0.68	576	
TS2046	Imax=11974cd/klm	Imax	9220cd	5	0.85	369

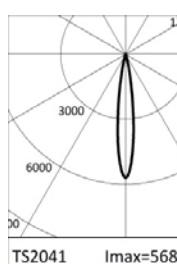
	3000K	H(m)	D(m)	Emax(lx)		
	Ra80		10°			
	Fixture Power	10W	1	0.17	13507	
	Source Flux	1128lm	2	0.34	3377	
	Fixture Flux	600lm	3	0.51	1501	
	Efficacy	58lm/W	4	0.68	844	
TS2046	Imax=11974cd/klm	Imax	13507cd	5	0.85	540

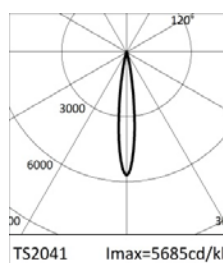
	2700K	H(m)	D(m)	Emax(lx)		
	Ra80		10°			
	Fixture Power	10W	1	0.17	12764	
	Source Flux	1066lm	2	0.34	3191	
	Fixture Flux	567lm	3	0.51	1418	
	Efficacy	55lm/W	4	0.68	798	
TS2046	Imax=11974cd/klm	Imax	12764cd	5	0.85	511

	4000K	H(m)	D(m)	Emax(lx)		
	Ra80		10°			
	Fixture Power	10W	1	0.17	13998	
	Source Flux	1169lm	2	0.34	3499	
	Fixture Flux	622lm	3	0.51	1555	
	Efficacy	60lm/W	4	0.68	875	
TS2046	Imax=11974cd/klm	Imax	13998cd	5	0.85	560

SPOT WITH HONEYCOMB LOUVER

	2200K	H(m)	D(m)	Emax(lx)		
	Ra90		14°			
	Fixture Power	13W	1	0.25	8050	
	Source Flux	1416lm	2	0.51	2012	
	Fixture Flux	680lm	3	0.76	894	
	Efficacy	51lm/W	4	1.01	503	
TS2041	Imax=5685cd/klm	Imax	8050cd	5	1.27	322

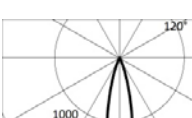
	3000K	H(m)	D(m)	Emax(lx)		
	Ra80		14°			
	Fixture Power	13W	1	0.25	11222	
	Source Flux	1974lm	2	0.51	2805	
	Fixture Flux	948lm	3	0.76	1247	
	Efficacy	72lm/W	4	1.01	701	
TS2041	Imax=5685cd/klm	Imax	11222cd	5	1.27	449

	2700K	H(m)	D(m)	Emax(lx)		
	Ra80		14°			
	Fixture Power	13W	1	0.25	10613	
	Source Flux	1867lm	2	0.51	2653	
	Fixture Flux	896lm	3	0.76	1179	
	Efficacy	68lm/W	4	1.01	663	
TS2041	Imax=5685cd/klm	Imax	10613cd	5	1.27	425

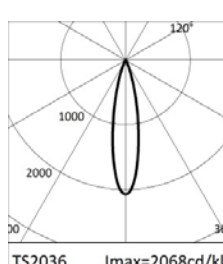
	4000K	H(m)	D(m)	Emax(lx)		
	Ra80		14°			
	Fixture Power	13W	1	0.25	11671	
	Source Flux	2053lm	2	0.51	2918	
	Fixture Flux	986lm	3	0.76	1297	
	Efficacy	75lm/W	4	1.01	729	
TS2041	Imax=5685cd/klm	Imax	11671cd	5	1.27	467

FLOOD WITH HONEYCOMB LOUVER

	2200K	H(m)	D(m)	Emax(lx)		
	Ra90		22°			
	Fixture Power	13W	1	0.39	2928	
	Source Flux	1416lm	2	0.77	732	
	Fixture Flux	553lm	3	1.16	325	
	Efficacy	42lm/W	4	1.54	183	
TS2036	Imax=2068cd/klm	Imax	2928cd	5	1.93	117

	3000K	H(m)	D(m)	Emax(lx)		
	Ra80		22°			
	Fixture Power	14W	1	0.39	4082	
	Source Flux	1974lm	2	0.77	1021	
	Fixture Flux	771lm	3	1.16	454	
	Efficacy	56lm/W	4	1.54	255	
TS2036	Imax=2068cd/klm	Imax	4082cd	5	1.93	163

	2700K	H(m)	D(m)	Emax(lx)		
	Ra80		22°			
	Fixture Power	14W	1	0.39	3861	
	Source Flux	1867lm	2	0.77	965	
	Fixture Flux	729lm	3	1.16	429	
	Efficacy	53lm/W	4	1.54	241	
TS2036	Imax=2068cd/klm	Imax	3861cd	5	1.93	154

	4000K	H(m)	D(m)	Emax(lx)		
	Ra80		22°			
	Fixture Power	14W	1	0.39	4245	
	Source Flux	2053lm	2	0.77	1061	
	Fixture Flux	801lm	3	1.16	472	
	Efficacy	58lm/W	4	1.54	265	
TS2036	Imax=2068cd/klm	Imax	4245cd	5	1.93	170