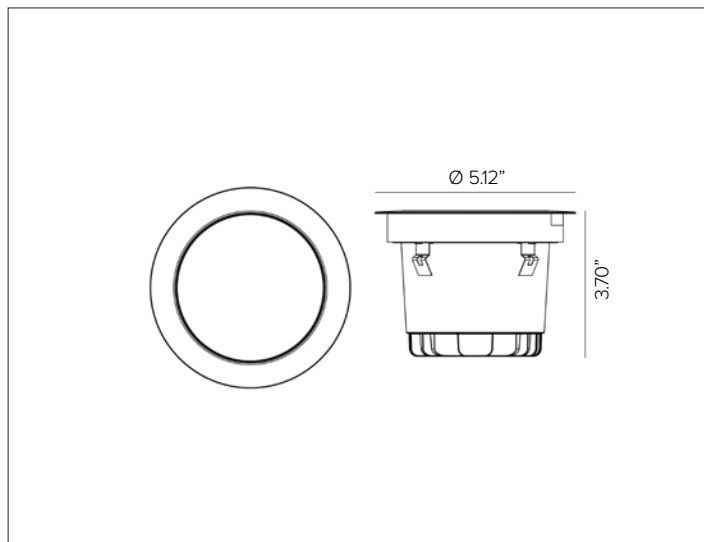


KEPLERO QUANTUM FIXED 130 (5")

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 precise fixed optics.
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	13W (SP / FL / MFL / WW) ONLY / 6W (OP) ONLY
Voltage	24V DC OR 700mA (SP / FL / MFL / WW) 300mA (OP)
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

Ra90 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. WW version comprised of optical grade PMMA lens, holographic diffusing filter and half-moon black shutter. OP version comprised of internal optical system made of a MC-PET high reflectance white reflector and double holographic diffusive filter.

Beam	SP 15°	FL 24°	MF 48°	WW	OP
Delivered Lumens					
2200K	1,014Lm	918Lm	780Lm	825Lm	304Lm
2700K	1,337Lm	1,210Lm	1,028Lm	1,088Lm	414Lm
3000K	1,413Lm	1,279Lm	1,087Lm	1,150Lm	426Lm
4000K	1,470Lm	1,330Lm	1,130Lm	1,196Lm	451Lm

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 FIXED 130 (5")

SPECIFICATION INFORMATION

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

Ex: QUF5CBSZML130 / 1USA122BS / PS125

OPTIONAL

REQUIRED

1 - PRODUCT CODE	2 - SIZE	3 - REMOTE DRIVER	4 - TRIM	5 - OPTICS	6 - WATTAGE	7 - KELVIN	8 - ACCESSORIES
QUF — KEPLERO QUANTUM FIXED	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	SP — SP 15°	L1 ^E — 13W	22 — 2200K	LV ^C — Integral Honeycomb Louver SP ^D — Linear Spread Lens
				FL — FL 24°		27 — 2700K	
				MF ^D — MF 48°		30 — 3000K	
				WW ^{C,D} — WW 24°x117°		35 — 3500K	
				OP ^{C,D} — Opal Direct View	L2 ^F — 6W	40 — 4000K	
9 - INSTALLATION	10 - POWER SUPPLY						
Installation Sleeve See section for details	Power Supply See section for details						

^C Integral honeycomb louver not compatible with NS / WW / OP optics.

^D Linear spread lens not compatible with MF / WW / OP optics. Designed to achieve an oval optical effect.

^E 13W versions available with SP / FL / MF / WW optics only.

^F 6W version available with OP optic only.

TRIM VERSIONS

BRUSHED NATURAL WITH ANTI-SLIP GLASS



BRONZE PVD WITH ANTI-SLIP GLASS



BLACK PVD WITH ANTI-SLIP GLASS



OPTIC VERSIONS

SP / FL / MF OPTICS



INTEGRAL HONEYCOMB LOUVER
SP / FL / MF OPTICS



WALL WASH OPTIC



OP DIRECT VIEW



OPTICAL ACCESSORIES

INTEGRAL HONEYCOMB LOUVER

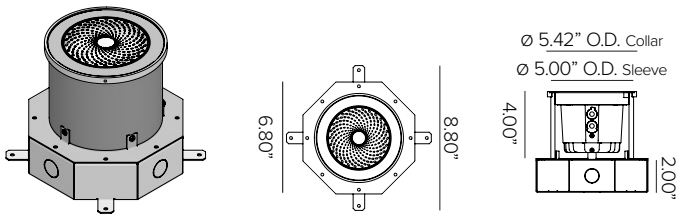


INTEGRAL HONEYCOMB LOUVER



KEPLERO QUANTUM FIXED 130 (5")

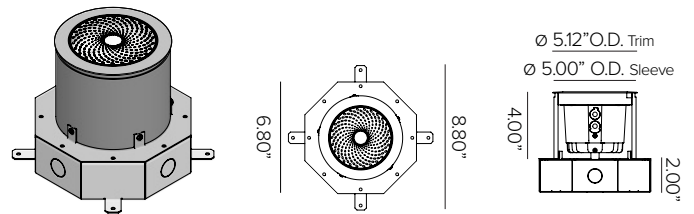
9 - INSTALLATION (REQUIRED)



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 FIXED 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
	6W	4	8	13	13 + 13
	13W	2	4	6	6 + 6
		</			

MAX CABLE DISTANCE

Fixture Wattage	No. Fixtures	Load	18 AWG	16 AWG	14 AWG	12 AWG
6W	4	≤24W	67ft	106ft	169ft	270ft
	8	≤48W	27ft	42ft	68ft	108ft
	13	≤78W	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

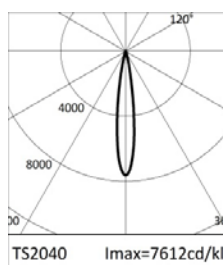
Part No.	Wattage	Control	Dim Range	Rating	In / Out Voltage	Certification	Dimensions	Description
PS125	13W (ONE 13W Fixture)	0-10V	0%	NEMA3R	120-277V 1 X 700mA	UL Class 2 Type TL	6.25" x 4.00" x 2.38"	EldoLED SOLOdrive 50W with enclosure box, black finish, one output.
PS126	26W (TWO 13W Fixture)	0-10V 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.
PS130	6W (ONE 6W Fixture)	0-10V	0%	NEMA3R	120-277V 1 X 300mA	UL Class 2 Type TL	6.25" x 4.00" x 2.38"	EldoLED SOLOdrive 30W with enclosure box, black finish, one output.
PS131	12W (TWO 6W Fixture)	0-10V GROUP	0%	NEMA3R	120-277V 2 X 300mA	UL Class 2 Type TL	6.25" x 4.00" x 2.38"	EldoLED SOLOdrive 30W with enclosure box, black finish, two outputs.
PS132	18W (THREE 6W Fixture)	0-10V GROUP	0%	NEMA3R	120-277V 3 X 300mA	UL Class 2 Type TL	6.25" x 4.00" x 2.38"	EldoLED SOLOdrive 30W with enclosure box, black finish, three outputs.
PS133	24W (FOUR 6W Fixture)	0-10V GROUP	0%	NEMA3R	120-277V 4 X 300mA	UL Class 2 Type TL	6.25" x 4.00" x 2.38"	EldoLED SOLOdrive 30W with enclosure box, black finish, four outputs.

Consult factory for other driver and control configurations.

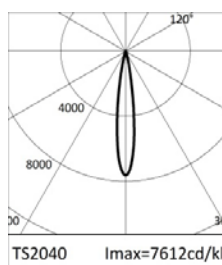
KEPLERO QUANTUM FIXED 130 (5")

PHOTOMETRY

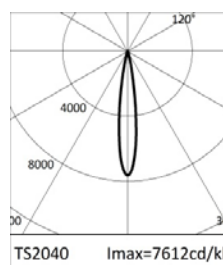
SPOT



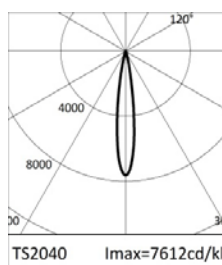
2200K	H(m)	D(m)	Emax(lx)
Ra90		15°	
Fixture Power 13W	1	0.27	10778
Source Flux 1416lm	2	0.54	2695
Fixture Flux 1014lm	3	0.81	1198
Efficacy 77lm/W	4	1.08	674
TS2040 I _{max} =7612cd/klm	I _{max}	10778cd	5 1.35 431



2700K	H(m)	D(m)	Emax(lx)
Ra80		15°	
Fixture Power 13W	1	0.27	14211
Source Flux 1867lm	2	0.54	3553
Fixture Flux 1337lm	3	0.81	1579
Efficacy 101lm/W	4	1.08	888
TS2040 I _{max} =7612cd/klm	I _{max}	14211cd	5 1.35 568

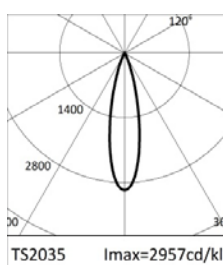


3000K	H(m)	D(m)	Emax(lx)
Ra80		15°	
Fixture Power 13W	1	0.27	15026
Source Flux 1974lm	2	0.54	3756
Fixture Flux 1413lm	3	0.81	1670
Efficacy 107lm/W	4	1.08	939
TS2040 I _{max} =7612cd/klm	I _{max}	15026cd	5 1.35 601

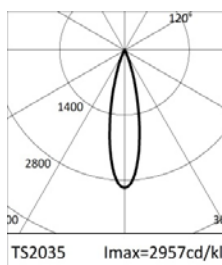


4000K	H(m)	D(m)	Emax(lx)
Ra80		15°	
Fixture Power 13W	1	0.27	15627
Source Flux 2053lm	2	0.54	3907
Fixture Flux 1470lm	3	0.81	1736
Efficacy 111lm/W	4	1.08	977
TS2040 I _{max} =7612cd/klm	I _{max}	15627cd	5 1.35 625

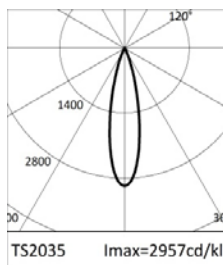
FLOOD



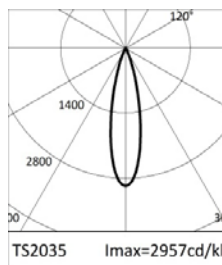
2200K	H(m)	D(m)	Emax(lx)
Ra90		24°	
Fixture Power 13W	1	0.43	4187
Source Flux 1416lm	2	0.86	1047
Fixture Flux 918lm	3	1.29	465
Efficacy 70lm/W	4	1.73	262
TS2035 I _{max} =2957cd/klm	I _{max}	4187cd	5 2.16 167



2700K	H(m)	D(m)	Emax(lx)
Ra80		24°	
Fixture Power 13W	1	0.43	5520
Source Flux 1867lm	2	0.86	1380
Fixture Flux 1210lm	3	1.29	613
Efficacy 92lm/W	4	1.73	345
TS2035 I _{max} =2957cd/klm	I _{max}	5520cd	5 2.16 221

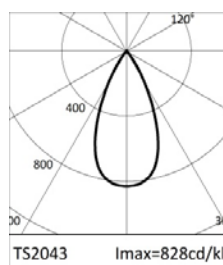


3000K	H(m)	D(m)	Emax(lx)
Ra80		24°	
Fixture Power 13W	1	0.43	5837
Source Flux 1974lm	2	0.86	1459
Fixture Flux 1279lm	3	1.29	649
Efficacy 97lm/W	4	1.73	365
TS2035 I _{max} =2957cd/klm	I _{max}	5837cd	5 2.16 233

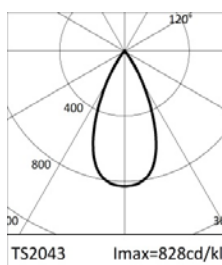


4000K	H(m)	D(m)	Emax(lx)
Ra80		24°	
Fixture Power 13W	1	0.43	6070
Source Flux 2053lm	2	0.86	1518
Fixture Flux 1330lm	3	1.29	674
Efficacy 101lm/W	4	1.73	379
TS2035 I _{max} =2957cd/klm	I _{max}	6070cd	5 2.16 243

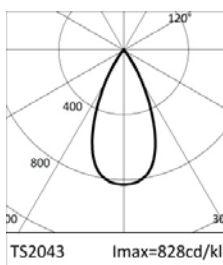
MEDIUM WIDE FLOOD



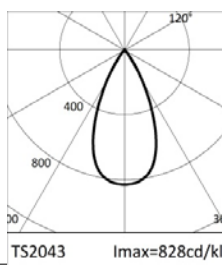
2200K	H(m)	D(m)	Emax(lx)
Ra90		48°	
Fixture Power 13W	1	0.90	1172
Source Flux 1416lm	2	1.80	293
Fixture Flux 780lm	3	2.70	130
Efficacy 59lm/W	4	3.60	73
TS2043 I _{max} =828cd/klm	I _{max}	1172cd	5 4.50 47



2700K	H(m)	D(m)	Emax(lx)
Ra80		48°	
Fixture Power 13W	1	0.90	1546
Source Flux 1867lm	2	1.80	386
Fixture Flux 1028lm	3	2.70	172
Efficacy 78lm/W	4	3.60	97
TS2043 I _{max} =828cd/klm	I _{max}	1546cd	5 4.50 62



3000K	H(m)	D(m)	Emax(lx)
Ra80		48°	
Fixture Power 13W	1	0.90	1634
Source Flux 1974lm	2	1.80	409
Fixture Flux 1087lm	3	2.70	182
Efficacy 82lm/W	4	3.60	102
TS2043 I _{max} =828cd/klm	I _{max}	1634cd	5 4.50 65

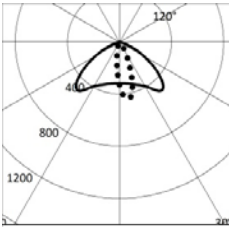


4000K	H(m)	D(m)	Emax(lx)
Ra80		48°	
Fixture Power 13W	1	0.90	1700
Source Flux 2053lm	2	1.80	425
Fixture Flux 1130lm	3	2.70	189
Efficacy 86lm/W	4	3.60	106
TS2043 I _{max} =828cd/klm	I _{max}	1700cd	5 4.50 68

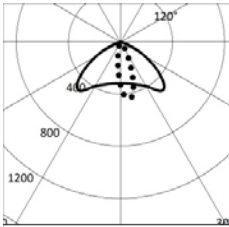
KEPLERO QUANTUM FIXED 130 (5")

PHOTOMETRY

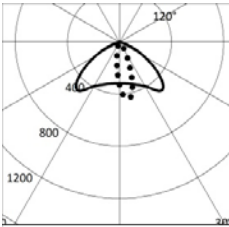
WALL WASHER



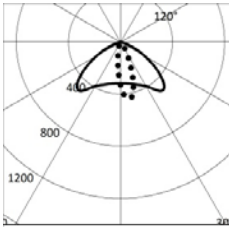
2200K	H(m)	D1(m)	D2(m)	Emax(lx)
Ra90	117°	24°		
Fixture Power	13W	1	3.24	0.44
Source Flux	1416lm	2	6.48	0.88
Fixture Flux	825lm	3	9.72	1.32
Efficacy	62lm/W	4	12.96	1.76
TS2044	Imax=690cd/klm	Imax	978cd	5
			16.19	2.20
			2.20	25



2700K	H(m)	D1(m)	D2(m)	Emax(lx)
Ra80	117°	24°		
Fixture Power	13W	1	3.24	0.44
Source Flux	1867lm	2	6.48	0.88
Fixture Flux	1088lm	3	9.72	1.32
Efficacy	82lm/W	4	12.96	1.76
TS2044	Imax=690cd/klm	Imax	1289cd	5
			16.19	2.20
			2.20	32

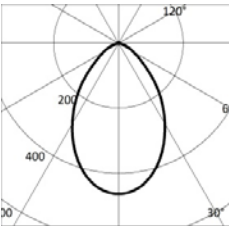


3000K	H(m)	D1(m)	D2(m)	Emax(lx)
Ra80	117°	24°		
Fixture Power	13W	1	3.24	0.44
Source Flux	1974lm	2	6.48	0.88
Fixture Flux	1150lm	3	9.72	1.32
Efficacy	87lm/W	4	12.96	1.76
TS2044	Imax=690cd/klm	Imax	1363cd	5
			16.19	2.20
			2.20	34

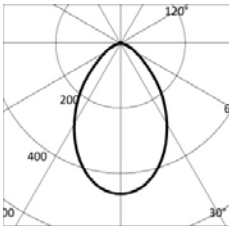


4000K	H(m)	D1(m)	D2(m)	Emax(lx)
Ra80	117°	24°		
Fixture Power	13W	1	3.24	0.44
Source Flux	2053lm	2	6.48	0.88
Fixture Flux	1196lm	3	9.72	1.32
Efficacy	91lm/W	4	12.96	1.76
TS2044	Imax=690cd/klm	Imax	1417cd	5
			16.19	2.20
			2.20	36

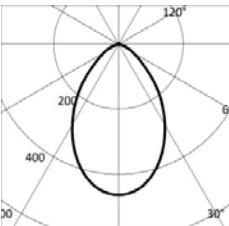
OPAL



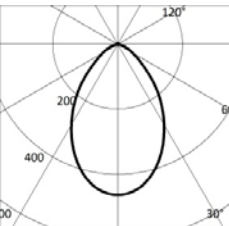
2200K	H(m)	D(m)	Emax(lx)
Ra90	71°		
Fixture Power	6W	1	1.44
Source Flux	428lm	2	2.88
Fixture Flux	304lm	3	4.31
Efficacy	48lm/W	4	5.75
TS2039	Imax=462cd/klm	Imax	198cd
		5	7.19
		8	



2700K	H(m)	D(m)	Emax(lx)
Ra80	71°		
Fixture Power	6W	1	1.44
Source Flux	583lm	2	2.88
Fixture Flux	414lm	3	4.31
Efficacy	66lm/W	4	5.75
TS2039	Imax=462cd/klm	Imax	270cd
		5	7.19
		11	



3000K	H(m)	D(m)	Emax(lx)
Ra80	71°		
Fixture Power	6W	1	1.44
Source Flux	600lm	2	2.88
Fixture Flux	426lm	3	4.31
Efficacy	68lm/W	4	5.75
TS2039	Imax=462cd/klm	Imax	277cd
		5	7.19
		11	

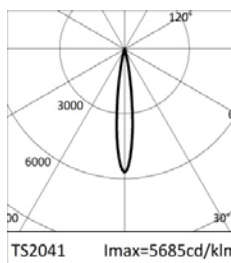


4000K	H(m)	D(m)	Emax(lx)
Ra80	71°		
Fixture Power	6W	1	1.44
Source Flux	636lm	2	2.88
Fixture Flux	451lm	3	4.31
Efficacy	72lm/W	4	5.75
TS2039	Imax=462cd/klm	Imax	294cd
		5	7.19
		12	

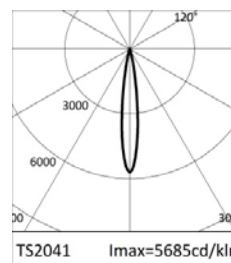
KEPLERO QUANTUM FIXED 130 (5")

PHOTOMETRY

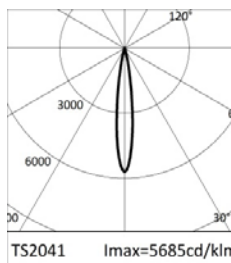
HONEYCOMB LOUVER SPOT



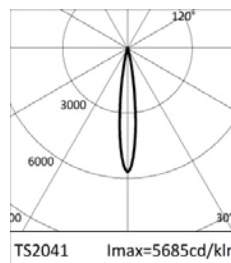
2200K	H(m)	D(m)	Emax(lx)
Ra90		14°	
Fixture Power	13W	1	0.25
Source Flux	1416lm	2	0.51
Fixture Flux	680lm	3	0.76
Efficacy	51lm/W	4	1.01
TS2041	Imax=5685cd/klm	Imax	8050cd
		5	1.27



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

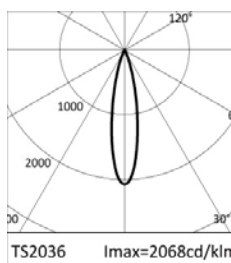


3000K	H(m)	D(m)	Emax(lx)
Ra80		14°	
Fixture Power	13W	1	0.25
Source Flux	1974lm	2	0.51
Fixture Flux	948lm	3	0.76
Efficacy	72lm/W	4	1.01
TS2041	Imax=5685cd/klm	Imax	11222cd
		5	1.27

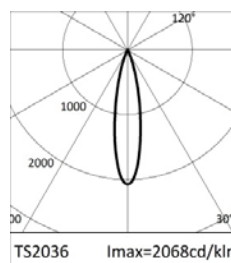


4000K	H(m)	D(m)	Emax(lx)
Ra80		14°	
Fixture Power	13W	1	0.25
Source Flux	2053lm	2	0.51
Fixture Flux	986lm	3	0.76
Efficacy	75lm/W	4	1.01
TS2041	Imax=5685cd/klm	Imax	11671cd
		5	1.27

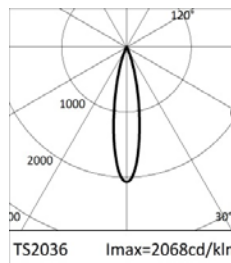
HONEYCOMB LOUVER FLOOD



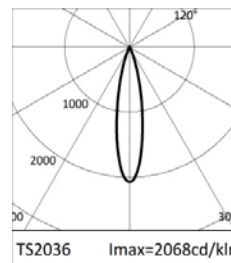
2200K	H(m)	D(m)	Emax(lx)
Ra90		22°	
Fixture Power	13W	1	0.39
Source Flux	1416lm	2	0.77
Fixture Flux	553lm	3	1.16
Efficacy	42lm/W	4	1.54
TS2036	Imax=2068cd/klm	Imax	2928cd
		5	1.93



2700K	H(m)	D(m)	Emax(lx)
Ra80		22°	
Fixture Power	13W	1	0.39
Source Flux	1867lm	2	0.77
Fixture Flux	729lm	3	1.16
Efficacy	55lm/W	4	1.54
TS2036	Imax=2068cd/klm	Imax	3861cd
		5	1.93



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

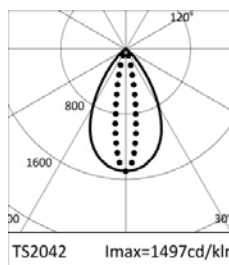


4000K	H(m)	D(m)	Emax(lx)
Ra80		22°	
Fixture Power	13W	1	0.39
Source Flux	2053lm	2	0.77
Fixture Flux	801lm	3	1.16
Efficacy	61lm/W	4	1.54
TS2036	Imax=2068cd/klm	Imax	4245cd
		5	1.93

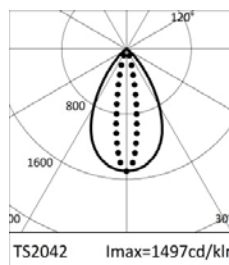
KEPLERO QUANTUM FIXED 130 (5")

PHOTOMETRY

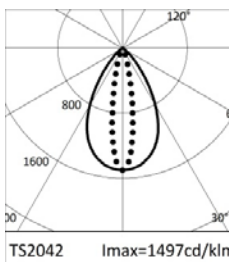
SPOT WITH LINEAR SPREAD LENS



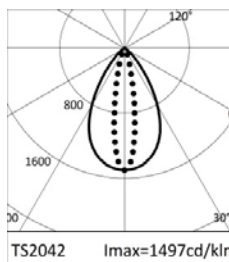
2200K		H(m)	D1(m)	D2(m)	Emax(lx)
Ra90			62°	19°	
Fixture Power	13W	1	1.21	0.33	2120
Source Flux	1416lm	2	2.42	0.66	530
Fixture Flux	971lm	3	3.63	1.00	236
Efficacy	74lm/W	4	4.84	1.33	132
TS2042	Imax=1497cd/klm	Imax	2120cd	5	6.05 1.66 85



2700K		H(m)	D1(m)	D2(m)	Emax(lx)
Ra80			62°	19°	
Fixture Power	13W	1	1.21	0.33	2795
Source Flux	1867lm	2	2.42	0.66	699
Fixture Flux	1281lm	3	3.63	1.00	311
Efficacy	97lm/W	4	4.84	1.33	175
TS2042	Imax=1497cd/klm	Imax	2795cd	5	6.05 1.66 112

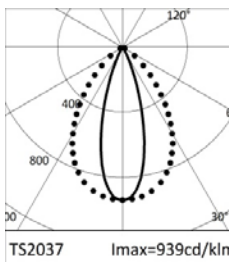


3000K		H(m)	D1(m)	D2(m)	Emax(lx)
Ra80			62°	19°	
Fixture Power	13W	1	1.21	0.33	2955
Source Flux	1974lm	2	2.42	0.66	739
Fixture Flux	1354lm	3	3.63	1.00	328
Efficacy	103lm/W	4	4.84	1.33	185
TS2042	Imax=1497cd/klm	Imax	2955cd	5	6.05 1.66 118

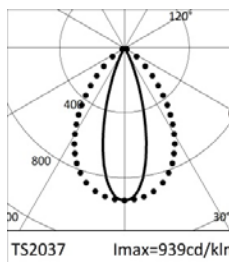


4000K		H(m)	D1(m)	D2(m)	Emax(lx)
Ra80			62°	19°	
Fixture Power	14W	1	1.21	0.33	3073
Source Flux	2053lm	2	2.42	0.66	768
Fixture Flux	1409lm	3	3.63	1.00	341
Efficacy	102lm/W	4	4.84	1.33	192
TS2042	Imax=1497cd/klm	Imax	3073cd	5	6.05 1.66 123

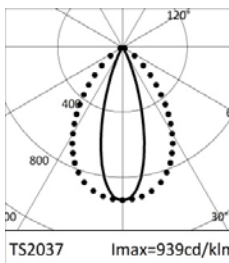
FLOOD WITH LINEAR SPREAD LENS



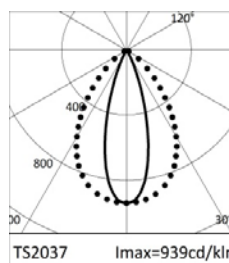
2200K		H(m)	D1(m)	D2(m)	Emax(lx)
Ra90			31°	71°	
Fixture Power	14W	1	0.56	1.44	1329
Source Flux	1416lm	2	1.11	2.87	332
Fixture Flux	965lm	3	1.67	4.31	148
Efficacy	70lm/W	4	2.23	5.75	83
TS2037	Imax=939cd/klm	Imax	1329cd	5	2.78 7.18 53



2700K		H(m)	D1(m)	D2(m)	Emax(lx)
Ra80			31°	71°	
Fixture Power	14W	1	0.56	1.44	1752
Source Flux	1867lm	2	1.11	2.87	438
Fixture Flux	1272lm	3	1.67	4.31	195
Efficacy	92lm/W	4	2.23	5.75	110
TS2037	Imax=939cd/klm	Imax	1752cd	5	2.78 7.18 70



3000K		H(m)	D1(m)	D2(m)	Emax(lx)
Ra80			31°	71°	
Fixture Power	14W	1	0.56	1.44	1853
Source Flux	1974lm	2	1.11	2.87	463
Fixture Flux	1345lm	3	1.67	4.31	206
Efficacy	97lm/W	4	2.23	5.75	116
TS2037	Imax=939cd/klm	Imax	1853cd	5	2.78 7.18 74



4000K		H(m)	D1(m)	D2(m)	Emax(lx)
Ra80			31°	71°	
Fixture Power	14W	1	0.56	1.44	1927
Source Flux	2053lm	2	1.11	2.87	482
Fixture Flux	1399lm	3	1.67	4.31	214
Efficacy	101lm/W	4	2.23	5.75	120
TS2037	Imax=939cd/klm	Imax	1927cd	5	2.78 7.18 77