

# Odyssey LED



## Product information

The Odyssey LED luminaire is a controllable road lighting fitting which is available with different system consumptions from 17 up to 103 Watts. It is ideal for efficient lighting of street and roadway applications, walkways, parks & gardens up to 15m high. The advanced LED optical system used in this fixture has improved horizontal and vertical uniformity, reduced glare and improved lighting controls. The reliable system offers more than 11 years of service life to reduce maintenance frequency and expense, based on a 50,000 hours life and 12 hours of operation per day.

## Structures and materials

**Housing:** in two pieces (upper and lower housings), both in die-cast aluminium with a polyester powder paint finish and oven cured (RAL7035).

Tool-less entry via latch.

**Screws:** stainless steel.

**Standard color:** Gray RAL 7035. Other RAL colours available on request.

## Electrical and gear compartment

Placed into the lower housing and isolated from the environment with a protection degree IP66 comprising:

**Driver gear tray:** replaceable without using tools.

**Minimum dimming level:** 12W

## Optics

Optical assembly hermetically sealed providing IP66 comprising:

**Glass:** flat tempered (IK09) glass fixed with gasket.

**Reflector:** 10 different reflectors available. Structured LED array for optimized photometric distribution. Utilized high brightness LEDs, 70+ CRI at 3000K, 4000K typical.

## Maintenance

**Rated median useful life and the associated ratedLM factor L90 (10K):**

>53700 hours if  $P \leq 61W$

>54600 hours if  $65 \leq P \leq 95W$

>24600 hours if  $P \geq 95W$

**Rated abrupt failure value:**

4,51% if  $P \leq 61W$

3,23% if  $65 \leq P \leq 95W$

12,06% if  $P \geq 95W$

## Installation

Available in European Electrical Classes I and II.

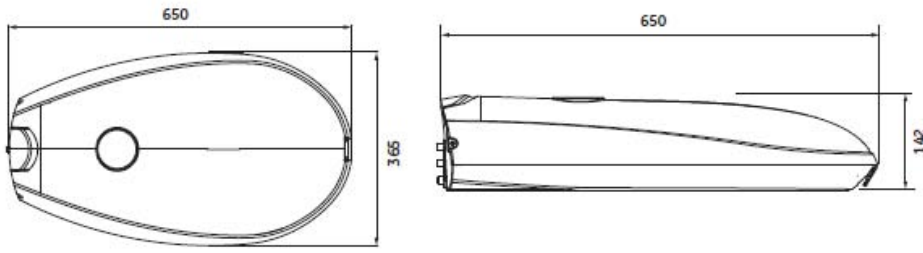
## Mounting options

- Post top mounting: pole diameter 30-76mm
- Side mounting: pole diameter 30 -76mm
- adjustable coupler with  $\pm 15^\circ$  in steps



# Dimensions [mm]

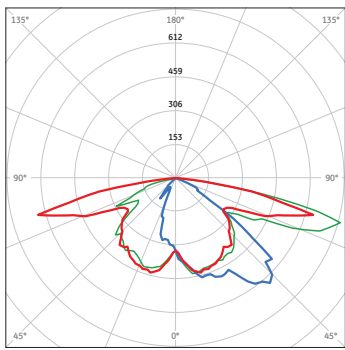
## Flat glass



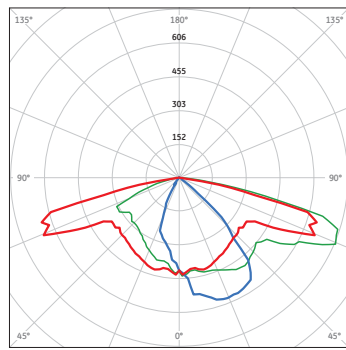
Side and post top mounting for 60mm pole

Additional photometric files available on website

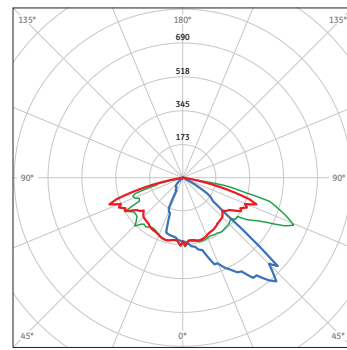
## Photometric data



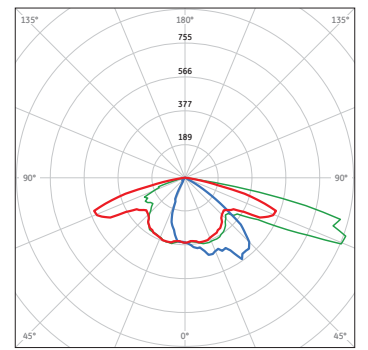
Asymmetric - medium (U)



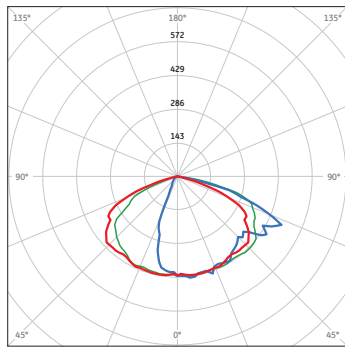
Narrow asymmetric - medium (B)



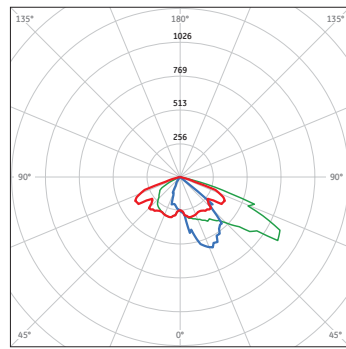
Asymmetric - short (C)



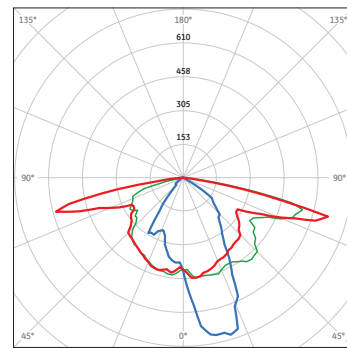
Asymmetric - medium (E)



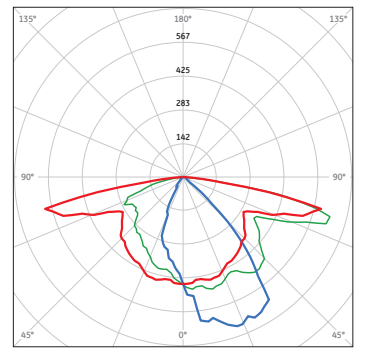
Forward asymmetric - medium (F)



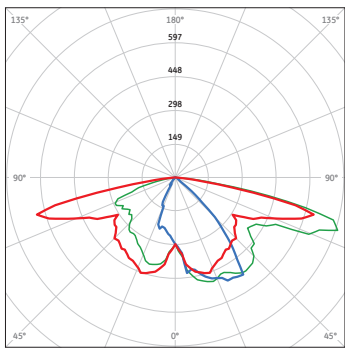
Narrow asymmetric - short (N)



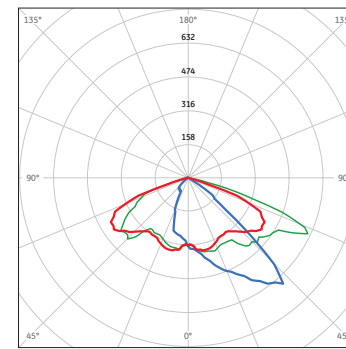
Narrow asymmetric w/ backlight - short (P)



Narrow asymmetric - medium (R)



Narrow asymmetric - medium (S)



Asymmetric - short (T)

## Order logic

Odyssey LED	Gen.	Front glass	Optics	Power [W]	CCT [K]	Control	Accessories	IEC protection classes	Pre-cabling	Mounting	Colour
OD L	3	F - Flat glass	B	17	30-3000 40-4000	N - No control D - Dali* Y - DynaDim**** C - ClockDIM****	ST - Standard type	C1 C2*	N - Without pre-cabling P - Pre-cabling	P76 - Post top, 76mm	R7035 XXXXX***
			C	20			M3 - Minicell 35lux*			P60 - Post top, 48-60mm	
			N	28			NS - SELC NEMA Socket*			S60 - Side mounted, 48-60mm	
			P	36			LS - Lightgrid NEMA Socket			P50 - Post top 42-50mm	
			E	40			SP - surge voltage protection			S50 - Side mounted, 42-50mm	
			U	50			F - with Fuse			P35 - Post top, 30-35mm	
			T	60						S35 - Side mounted, 30-35mm	
			R	71							
			S	84							
			94								
			103								

Example: OD L/3/F/B/103/40/D/SP/C1/N/P76/R7035

\*MINICELL and NEMA socket are not available together with DALI and only available in Class 1 version

\*\*\*\*R7035 is a standard color, for other color please use 5 characters

AutoBOM contain all combinations which is not valid.

\*\*\*\* ClockDIM available only with 17-50W/ Autonom Dimming available only with 60-103W

## Specifications

Weight [kg]	9,6, driver included
Side Surface [m2]	0.17
Driver	Electronic, dimmable (DALI, Autonomic Dimming, Clock Dimming function) 17,20,28,36,40,50,60,71,84,94,103 W
Input Frequency [Hz]	50/60
Accessories	4-10kV extra surge protection Photocell, Minicell 35lux NEMA socket 3pin Mayflower control system Lightgrid control system
Reflector	10 different reflectors
Ambient Operating Temperature [°C]	-20 to +50°C, -40 is also available on request
Regulations	Directive 2004/108/EC, 2006/95/EC, 2011/65/EC, ENEC

## Lumen table

System Watt	Glass	Optics	CCT	System Lumen	System LPW	IES file name
17	F	B	4000	1810	106	ODL-3-F-B-17-4-6
20	F	B	4000	2400	120	ODL-3-F-B-20-4-6
28	F	B	4000	3220	115	ODL-3-F-B-28-4-6
36	F	B	4000	4020	112	ODL-3-F-B-36-4-6
40	F	B	4000	4590	115	ODL-3-F-B-40-4-6
50	F	B	4000	5460	109	ODL-3-F-B-50-4-6
60	F	B	4000	6350	106	ODL-3-F-B-60-4-5
71	F	B	4000	7330	103	ODL-3-F-B-71-4-5
84	F	B	4000	8300	99	ODL-3-F-B-84-4-5
94	F	B	4000	9030	96	ODL-3-F-B-94-4-5
103	F	B	4000	9690	94	ODL-3-F-B-103-4-5
17	F	R	4000	1810	106	ODL-3-F-R-17-4-6
20	F	R	4000	2400	120	ODL-3-F-R-20-4-6
28	F	R	4000	3220	115	ODL-3-F-R-28-4-6
36	F	R	4000	4020	112	ODL-3-F-R-36-4-6
40	F	R	4000	4590	115	ODL-3-F-R-40-4-6
50	F	R	4000	5460	109	ODL-3-F-R-50-4-6
60	F	R	4000	6350	106	ODL-3-F-R-60-4-5
71	F	R	4000	7330	103	ODL-3-F-R-71-4-5
84	F	R	4000	8300	99	ODL-3-F-R-84-4-5
94	F	R	4000	9030	96	ODL-3-F-R-94-4-5
103	F	R	4000	9690	94	ODL-3-F-R-103-4-5
17	F	S	4000	1770	104	ODL-3-F-S-17-4-6
20	F	S	4000	2350	118	ODL-3-F-S-20-4-6

System Watt	Glass	Optics	CCT	System Lumen	System LPW	IES file name
28	F	S	4000	3150	113	ODL-3-F-S-28-4-6
36	F	S	4000	3930	109	ODL-3-F-S-36-4-6
40	F	S	4000	4490	112	ODL-3-F-S-40-4-6
50	F	S	4000	5350	107	ODL-3-F-S-50-4-6
60	F	S	4000	6220	104	ODL-3-F-S-60-4-5
71	F	S	4000	7180	101	ODL-3-F-S-71-4-5
84	F	S	4000	8130	97	ODL-3-F-S-84-4-5
94	F	S	4000	8840	94	ODL-3-F-S-94-4-5
103	F	S	4000	9490	92	ODL-3-F-S-103-4-5
17	F	P	4000	1720	101	ODL-3-F-P-17-4-6
20	F	P	4000	2280	114	ODL-3-F-P-20-4-6
28	F	P	4000	3060	109	ODL-3-F-P-28-4-6
36	F	P	4000	3820	106	ODL-3-F-P-36-4-6
40	F	P	4000	4360	109	ODL-3-F-P-40-4-6
50	F	P	4000	5190	104	ODL-3-F-P-50-4-6
60	F	P	4000	6040	101	ODL-3-F-P-60-4-5
71	F	P	4000	6970	98	ODL-3-F-P-71-4-5
84	F	P	4000	7890	94	ODL-3-F-P-84-4-5
94	F	P	4000	8590	91	ODL-3-F-P-94-4-5
103	F	P	4000	9210	89	ODL-3-F-P-103-4-5
17	F	C	4000	1790	105	ODL-3-F-C-17-4-6
20	F	C	4000	2370	119	ODL-3-F-C-20-4-6
28	F	C	4000	3180	114	ODL-3-F-C-28-4-6
36	F	C	4000	3970	110	ODL-3-F-C-36-4-6
40	F	C	4000	4540	114	ODL-3-F-C-40-4-6
50	F	C	4000	5400	108	ODL-3-F-C-50-4-6
60	F	C	4000	6280	105	ODL-3-F-C-60-4-5
71	F	C	4000	7250	102	ODL-3-F-C-71-4-5
84	F	C	4000	8210	98	ODL-3-F-C-84-4-5
94	F	C	4000	8930	95	ODL-3-F-C-94-4-5
103	F	C	4000	9590	93	ODL-3-F-C-103-4-5
17	F	T	4000	1860	109	ODL-3-F-T-17-4-6
20	F	T	4000	2470	124	ODL-3-F-T-20-4-6
28	F	T	4000	3310	118	ODL-3-F-T-28-4-6
36	F	T	4000	4140	115	ODL-3-F-T-36-4-6
40	F	T	4000	4720	118	ODL-3-F-T-40-4-6
50	F	T	4000	5620	112	ODL-3-F-T-50-4-6
60	F	T	4000	6540	109	ODL-3-F-T-60-4-5
71	F	T	4000	7540	106	ODL-3-F-T-71-4-5
84	F	T	4000	8540	102	ODL-3-F-T-84-4-5
94	F	T	4000	9300	99	ODL-3-F-T-94-4-5
103	F	T	4000	9980	97	ODL-3-F-T-103-4-5
17	F	E	4000	1750	103	ODL-3-F-E-17-4-6
20	F	E	4000	2320	116	ODL-3-F-E-20-4-6
28	F	E	4000	3120	111	ODL-3-F-E-28-4-6
36	F	E	4000	3890	108	ODL-3-F-E-36-4-6
40	F	E	4000	4440	111	ODL-3-F-E-40-4-6
50	F	E	4000	5290	106	ODL-3-F-E-50-4-6
60	F	E	4000	6150	103	ODL-3-F-E-60-4-5
71	F	E	4000	7100	100	ODL-3-F-E-71-4-5
84	F	E	4000	8040	96	ODL-3-F-E-84-4-5
94	F	E	4000	8750	93	ODL-3-F-E-94-4-5
103	F	E	4000	9390	91	ODL-3-F-E-103-4-5

System Watt	Glass	Optics	CCT	System Lumen	System LPW	IES file name
17	F	U	4000	1730	102	ODL-3-F-U-17-4-6
20	F	U	4000	2300	115	ODL-3-F-U-20-4-6
28	F	U	4000	3090	110	ODL-3-F-U-28-4-6
36	F	U	4000	3850	107	ODL-3-F-U-36-4-6
40	F	U	4000	4400	110	ODL-3-F-U-40-4-6
50	F	U	4000	5240	105	ODL-3-F-U-50-4-6
60	F	U	4000	6090	102	ODL-3-F-U-60-4-5
71	F	U	4000	7030	99	ODL-3-F-U-71-4-5
84	F	U	4000	7960	95	ODL-3-F-U-84-4-5
94	F	U	4000	8660	92	ODL-3-F-U-94-4-5
103	F	U	4000	9300	90	ODL-3-F-U-103-4-5
17	F	F	4000	1820	107	ODL-3-F-F-17-4-6
20	F	F	4000	2420	121	ODL-3-F-F-20-4-6
28	F	F	4000	3250	116	ODL-3-F-F-28-4-6
36	F	F	4000	4060	113	ODL-3-F-F-36-4-6
40	F	F	4000	4630	116	ODL-3-F-F-40-4-6
50	F	F	4000	5510	110	ODL-3-F-F-50-4-6
60	F	F	4000	6410	107	ODL-3-F-F-60-4-5
71	F	F	4000	7400	104	ODL-3-F-F-71-4-5
84	F	F	4000	8380	100	ODL-3-F-F-84-4-5
94	F	F	4000	9120	97	ODL-3-F-F-94-4-5
103	F	F	4000	9780	95	ODL-3-F-F-103-4-5
17	F	N	4000	1840	108	ODL-3-F-N-17-4-6
20	F	N	4000	2440	122	ODL-3-F-N-20-4-6
28	F	N	4000	3280	117	ODL-3-F-N-28-4-6
36	F	N	4000	4100	114	ODL-3-F-N-36-4-6
40	F	N	4000	4680	117	ODL-3-F-N-40-4-6
50	F	N	4000	5570	111	ODL-3-F-N-50-4-6
60	F	N	4000	6470	108	ODL-3-F-N-60-4-5
71	F	N	4000	7470	105	ODL-3-F-N-71-4-5
84	F	N	4000	8460	101	ODL-3-F-N-84-4-5
94	F	N	4000	9210	98	ODL-3-F-N-94-4-5
103	F	N	4000	9880	96	ODL-3-F-N-103-4-5
17	F	B	3000	1760	104	ODL-3-F-B-17-3-6
20	F	B	3000	2330	117	ODL-3-F-B-20-3-6
28	F	B	3000	3130	112	ODL-3-F-B-28-3-6
36	F	B	3000	3910	109	ODL-3-F-B-36-3-6
40	F	B	3000	4470	112	ODL-3-F-B-40-3-6
50	F	B	3000	5310	106	ODL-3-F-B-50-3-6
60	F	B	3000	6180	103	ODL-3-F-B-60-3-5
71	F	B	3000	7130	100	ODL-3-F-B-71-3-5
84	F	B	3000	8080	96	ODL-3-F-B-84-3-5
94	F	B	3000	8790	94	ODL-3-F-B-94-3-5
103	F	B	3000	9430	92	ODL-3-F-B-103-3-5
17	F	R	3000	1760	104	ODL-3-F-R-17-3-6
20	F	R	3000	2330	117	ODL-3-F-R-20-3-6
28	F	R	3000	3130	112	ODL-3-F-R-28-3-6
36	F	R	3000	3910	109	ODL-3-F-R-36-3-6
40	F	R	3000	4470	112	ODL-3-F-R-40-3-6
50	F	R	3000	5310	106	ODL-3-F-R-50-3-6
60	F	R	3000	6180	103	ODL-3-F-R-60-3-5
71	F	R	3000	7130	100	ODL-3-F-R-71-3-5
84	F	R	3000	8080	96	ODL-3-F-R-84-3-5

System Watt	Glass	Optics	CCT	System Lumen	System LPW	IES file name
94	F	R	3000	8790	94	ODL-3-F-R-94-3-5
103	F	R	3000	9430	92	ODL-3-F-R-103-3-5
17	F	S	3000	1720	101	ODL-3-F-S-17-3-6
20	F	S	3000	2280	114	ODL-3-F-S-20-3-6
28	F	S	3000	3060	109	ODL-3-F-S-28-3-6
36	F	S	3000	3820	106	ODL-3-F-S-36-3-6
40	F	S	3000	4370	109	ODL-3-F-S-40-3-6
50	F	S	3000	5210	104	ODL-3-F-S-50-3-6
60	F	S	3000	6050	101	ODL-3-F-S-60-3-5
71	F	S	3000	6990	98	ODL-3-F-S-71-3-5
84	F	S	3000	7910	94	ODL-3-F-S-84-3-5
94	F	S	3000	8610	92	ODL-3-F-S-94-3-5
103	F	S	3000	9240	90	ODL-3-F-S-103-3-5
17	F	P	3000	1670	98	ODL-3-F-P-17-3-6
20	F	P	3000	2220	111	ODL-3-F-P-20-3-6
28	F	P	3000	2980	106	ODL-3-F-P-28-3-6
36	F	P	3000	3720	103	ODL-3-F-P-36-3-6
40	F	P	3000	4240	106	ODL-3-F-P-40-3-6
50	F	P	3000	5050	101	ODL-3-F-P-50-3-6
60	F	P	3000	5880	98	ODL-3-F-P-60-3-5
71	F	P	3000	6780	95	ODL-3-F-P-71-3-5
84	F	P	3000	7680	91	ODL-3-F-P-84-3-5
94	F	P	3000	8360	89	ODL-3-F-P-94-3-5
103	F	P	3000	8970	87	ODL-3-F-P-103-3-5
17	F	C	3000	1740	102	ODL-3-F-C-17-3-6
20	F	C	3000	2300	115	ODL-3-F-C-20-3-6
28	F	C	3000	3090	110	ODL-3-F-C-28-3-6
36	F	C	3000	3860	107	ODL-3-F-C-36-3-6
40	F	C	3000	4420	111	ODL-3-F-C-40-3-6
50	F	C	3000	5250	105	ODL-3-F-C-50-3-6
60	F	C	3000	6110	102	ODL-3-F-C-60-3-5
71	F	C	3000	7060	99	ODL-3-F-C-71-3-5
84	F	C	3000	7990	95	ODL-3-F-C-84-3-5
94	F	C	3000	8690	92	ODL-3-F-C-94-3-5
103	F	C	3000	9340	91	ODL-3-F-C-103-3-5
17	F	T	3000	1810	106	ODL-3-F-T-17-3-6
20	F	T	3000	2400	120	ODL-3-F-T-20-3-6
28	F	T	3000	3220	115	ODL-3-F-T-28-3-6
36	F	T	3000	4030	112	ODL-3-F-T-36-3-6
40	F	T	3000	4590	115	ODL-3-F-T-40-3-6
50	F	T	3000	5470	109	ODL-3-F-T-50-3-6
60	F	T	3000	6360	106	ODL-3-F-T-60-3-5
71	F	T	3000	7340	103	ODL-3-F-T-71-3-5
84	F	T	3000	8310	99	ODL-3-F-T-84-3-5
94	F	T	3000	9050	96	ODL-3-F-T-94-3-5
103	F	T	3000	9720	94	ODL-3-F-T-103-3-5
17	F	E	3000	1700	100	ODL-3-F-E-17-3-6
20	F	E	3000	2250	113	ODL-3-F-E-20-3-6
28	F	E	3000	3030	108	ODL-3-F-E-28-3-6
36	F	E	3000	3780	105	ODL-3-F-E-36-3-6
40	F	E	3000	4320	108	ODL-3-F-E-40-3-6
50	F	E	3000	5150	103	ODL-3-F-E-50-3-6
60	F	E	3000	5990	100	ODL-3-F-E-60-3-5

System Watt	Glass	Optics	CCT	System Lumen	System LPW	IES file name
71	F	E	3000	6910	97	ODL-3-F-E-71-3-5
84	F	E	3000	7830	93	ODL-3-F-E-84-3-5
94	F	E	3000	8520	91	ODL-3-F-E-94-3-5
103	F	E	3000	9140	89	ODL-3-F-E-103-3-5
17	F	U	3000	1680	99	ODL-3-F-U-17-3-6
20	F	U	3000	2240	112	ODL-3-F-U-20-3-6
28	F	U	3000	3000	107	ODL-3-F-U-28-3-6
36	F	U	3000	3740	104	ODL-3-F-U-36-3-6
40	F	U	3000	4280	107	ODL-3-F-U-40-3-6
50	F	U	3000	5100	102	ODL-3-F-U-50-3-6
60	F	U	3000	5930	99	ODL-3-F-U-60-3-5
71	F	U	3000	6840	96	ODL-3-F-U-71-3-5
84	F	U	3000	7750	92	ODL-3-F-U-84-3-5
94	F	U	3000	8430	90	ODL-3-F-U-94-3-5
103	F	U	3000	9050	88	ODL-3-F-U-103-3-5
17	F	F	3000	1770	104	ODL-3-F-F-17-3-6
20	F	F	3000	2350	118	ODL-3-F-F-20-3-6
28	F	F	3000	3160	113	ODL-3-F-F-28-3-6
36	F	F	3000	3950	110	ODL-3-F-F-36-3-6
40	F	F	3000	4500	113	ODL-3-F-F-40-3-6
50	F	F	3000	5360	107	ODL-3-F-F-50-3-6
60	F	F	3000	6240	104	ODL-3-F-F-60-3-5
71	F	F	3000	7200	101	ODL-3-F-F-71-3-5
84	F	F	3000	8160	97	ODL-3-F-F-84-3-5
94	F	F	3000	8880	94	ODL-3-F-F-94-3-5
103	F	F	3000	9520	92	ODL-3-F-F-103-3-5
17	F	N	3000	1790	105	ODL-3-F-N-17-3-6
20	F	N	3000	2370	119	ODL-3-F-N-20-3-6
28	F	N	3000	3190	114	ODL-3-F-N-28-3-6
36	F	N	3000	3990	111	ODL-3-F-N-36-3-6
40	F	N	3000	4550	114	ODL-3-F-N-40-3-6
50	F	N	3000	5420	108	ODL-3-F-N-50-3-6
60	F	N	3000	6300	105	ODL-3-F-N-60-3-5
71	F	N	3000	7270	102	ODL-3-F-N-71-3-5
84	F	N	3000	8240	98	ODL-3-F-N-84-3-5
94	F	N	3000	8970	95	ODL-3-F-N-94-3-5
103	F	N	3000	9620	93	ODL-3-F-N-103-3-5

For additional information please visit our website