

PIAZZO

DOWNLIGHT SERIES

A series of gimbal adjustable downlights designed with ELR's signature modular concept. LED modules are fully interchangeable with various choices, ideal for illuminating objects in showcasing and retail applications.



Fixture Features



Module Colour Temperature Variation



Beam Angle

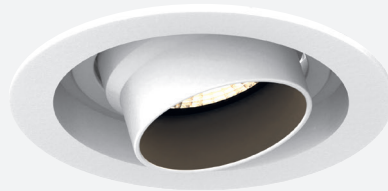


Driver Dimming Variation



PIAZZO 4

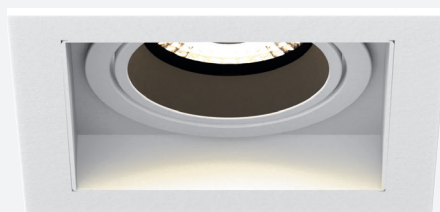
RECESSED ROUND / SQUARE TILT DOWNLIGHT LUMINAIRE



#ROUND
#TILT
#SNOOT
#TRIM



#ROUND
#TILT
#FLAT
#TRIM



#SQUARE
#TILT
#FLAT
#TRIM

TECHNOLOGY AND FEATURES




ATePS
Advanced Thermal Protection System



ComfyEYE
Low Flicker, No Risk (IEEE 1789)



BEAM
Converging Optical Lens
Maximising LOR



Ceiling Safe

AVAILABLE OPTIONS

FIXTURE COLOUR OPTIONS	Trim Colour Options	ROUND	UNO	DUO	TRIO					
		Aperture Options SNOOT FLAT								
ACCESSORIES										
<p>***Adapter Ring accessory is necessary when paired with COIN, 35 or 50 series LED module variants.</p>										
LED MODULE										
<p>*Drivers for 24CV LED modules are sold separately.</p>										
<p>***Drivers for RGBW LED modules are sold separately.</p>										
SINGLE CCT 				100P / 100C 50PM / 50CM / 50P / 50C / 35P / 50N / 35N / COIN 35P-HI / 50N-HI / 35N-HI / COIN-HI		10°	12°	20°	35°	60°
ComfySHIFT 		35P / 50N				✓		✓	✓	✓
WARM DIM 		100P 50P / 35P / 50N / 35N / COIN				✓	✓	✓	✓	✓
tuneWHITE 		100P / 50P / 50N / COIN						✓	✓	✓
flexiK 										
RGBW 		100P / 50P							✓	✓
DRIVER DIMMING										

PIAZZO 4

#ROUND
#SQUARE
#TILT
#TRIM

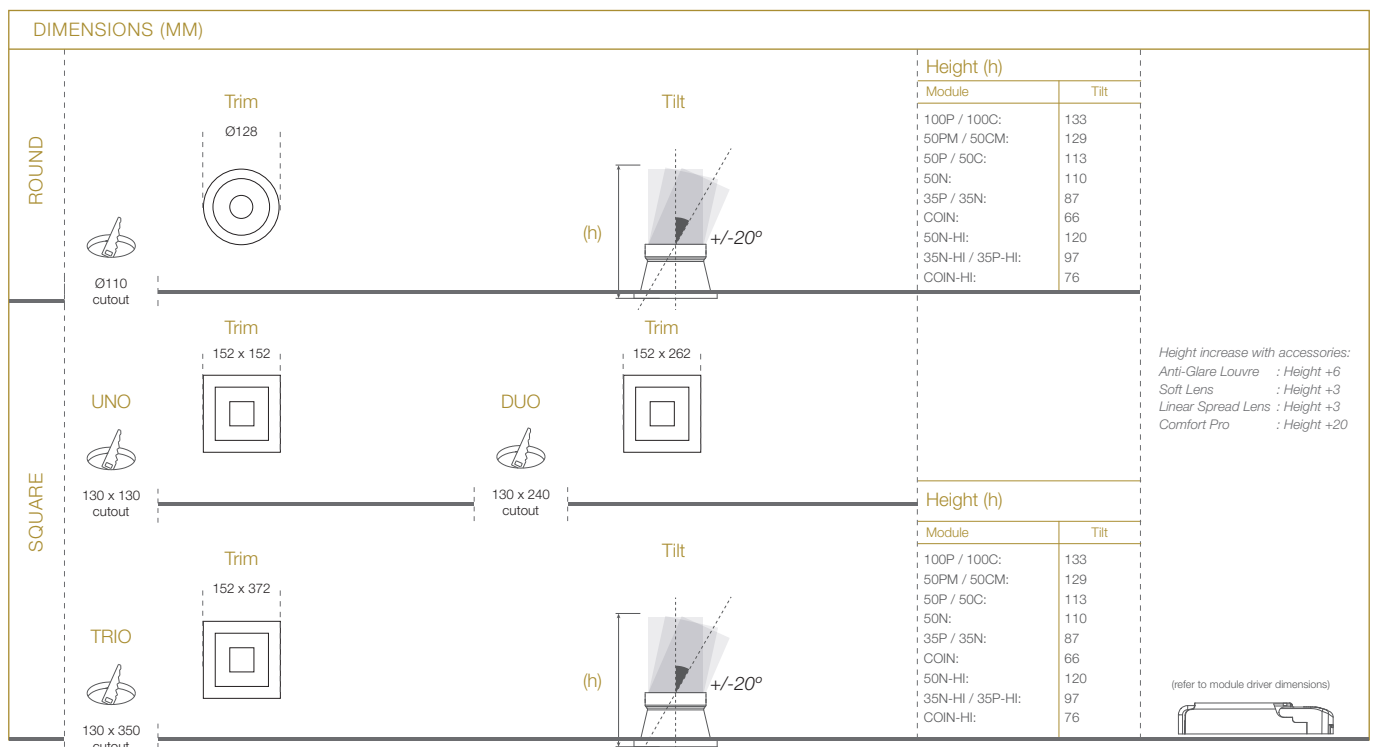
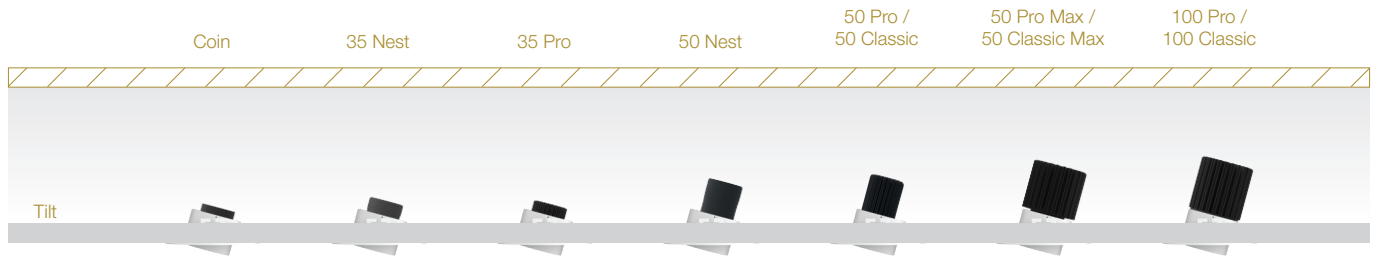
SPECIFICATIONS

FIXTURE

Family Type	Piazzo series
Fixture Colours	Matt white, matt black
Fixture Materials	Aluminium
Accessories	Honeycomb anti-glare louvre, soft lens, linear spread lens, Comfort Pro
Ingress Protection	IP40

LED MODULE & DRIVER

Compatible LED Modules	100, 50, 35, COIN series LED modules
Lifetime	Up to 50,000 hours L80 lamp life with LM80 tested LED chip packages
Beam Angles	10°, 12°, 20°, 35°, 60°
Colour Temperatures	2700K, 3000K, 3500K, 4000K, 5000K, ComfySHIFT, Warm Dim, tuneWHITE, flexiK, RGBW
CRI	High Efficiency (CRI-85), ProART (CRI-95), ProART98 (CRI-98)
Driver (Dimming)	Non-dim, phase (leading & trailing edge), 0-10V, DALI



PIAZZO 4

PHOTOMETRICS

100 PRO

Height (m)		Emax (lx)			
		12°	20°	35°	60°
1	E(0°)	13165	10242	5331	2809
	Cone Ø (m)	0.27	0.40	0.68	1.00
2	E(0°)	3291	2561	1333	702
	Cone Ø (m)	0.54	0.81	1.37	2.00
3	E(0°)	1463	1138	592	312
	Cone Ø (m)	0.81	1.21	2.05	3.00
4	E(0°)	823	640	333	176
	Cone Ø (m)	1.08	1.61	2.74	4.01
5	E(0°)	527	410	213	112
	Cone Ø (m)	1.35	2.02	3.42	5.01

Correction Factor: $100P - f = 1.00$
 $100C - f = 0.69$

ELR LED Module				100P	100C	
LED Power				23W	17W	
System Power				28W	21W	
Luminous Flux (lm)	Type	Beam Angle	CRI			
			CRI			
	Single CCT (3000K)	12°	High Efficiency Ra-85		2190	1504
			ProART Ra-95		1862	1278
			ProART98 Ra-98		1533	1053
		20°	High Efficiency Ra-85		2670	1833
			ProART Ra-95		2270	1558
			ProART98 Ra-98		1869	1283
	35°	High Efficiency Ra-85		2700	1854	
		ProART Ra-95		2295	1576	
		ProART98 Ra-98		1890	1298	
	60°	High Efficiency Ra-85		2490	1710	
ProART Ra-95		2117	1453			
			ProART98 Ra-98	1743	1197	

Data are based on 3000K (ProART CRI-95). Nominal data of 2700K and 3500K are shared with 3000K. Higher CCT of 4000K and 5000K will have a nominal data value of 5% higher than published. ($f = 1.05$) High Efficiency CRI-85 will have a nominal data value of 15% higher than published. ($f = 1.17$) ProART98 CRI-98 will have a nominal data value of 18% lower than published. ($f = 0.82$)

Nominal CRI-85, equals to Ra>80-87, R9>0
 Nominal CRI-95, equals to Ra>90-97, R9>50
 Nominal CRI-98, equals to Ra>97-99, R9>93

100 PRO WARM DIM

Height (m)		Emax (lx)			
		12°	20°	35°	60°
1	E(0°)	11358	8836	4600	2424
	Cone Ø (m)	0.27	0.40	0.68	1.00
2	E(0°)	2839	2209	1150	606
	Cone Ø (m)	0.54	0.81	1.37	2.00
3	E(0°)	1262	982	511	269
	Cone Ø (m)	0.81	1.21	2.05	3.00
4	E(0°)	710	552	287	151
	Cone Ø (m)	1.08	1.61	2.74	4.01
5	E(0°)	454	353	184	97
	Cone Ø (m)	1.35	2.02	3.42	5.01

Data are based on maximum output at 3100K.
 Nominal CRI-95, equals to Ra>90-97, R9>50

ELR LED Module				100P	
LED Power				23W	
System Power				28W	
Luminous Flux (lm)	Type	Beam Angle	CRI		
			CRI		
	Warm Dim (3100K)	ProART Ra-95	12°		1606
			20°		1958
			35°		1980
60°				1826	

PIAZZO 4

PHOTOMETRICS

100 PRO tuneWHITE/flexiK



Height (m)		Emax (lx)			ELR LED Module				100P
		20°	35°	60°	LED Power		System Power		23W
1	E(0°)	7631	3972	2093	Luminous Flux (lm)				28W
	Cone Ø (m)	0.40	0.68	1.00					
2	E(0°)	1908	993	523	tuneWHITE / flexiK (4000K / 6500K)	Type	Beam Angle	CRI	ProART Ra-95
	Cone Ø (m)	0.81	1.37	2.00		20°	1691		
3	E(0°)	848	441	233	35°	1710			
	Cone Ø (m)	1.21	2.05	3.00	60°	1577			
4	E(0°)	477	248	131	Data are based on maximum output at highest CCT (4000K / 6500K). 2700K will have a nominal data value of 10% lower than published. (f = 0.90) 1800K will have a nominal data value of 30% lower than published. (f = 0.70) Nominal CRI-95, equals to Ra>90-97, R9>50				
	Cone Ø (m)	1.61	2.74	4.01					
5	E(0°)	305	159	84					
	Cone Ø (m)	2.02	3.42	5.01					

100 PRO RGBW



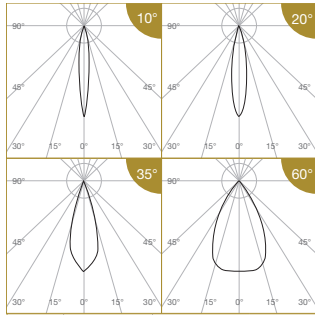
Height (m)		Emax (lx)		ELR LED Module				100P
		35°	60°	LED Power		System Power		22W
1	E(0°)	2122	1118	Luminous Flux (lm)				26W
	Cone Ø (m)	0.68	1.00					
2	E(0°)	531	280	RGBW	Type	Beam Angle	CRI	N/A
	Cone Ø (m)	1.37	2.00		35°	914		
3	E(0°)	236	124	60°	842			
	Cone Ø (m)	2.05	3.00	Data are based on maximum output of all 4 RGBW channels.				
4	E(0°)	133	70					
	Cone Ø (m)	2.74	4.01					
5	E(0°)	85	45					
	Cone Ø (m)	3.42	5.01					

PIAZZO 4

PHOTOMETRICS



50 PRO



Height (m)	E(0°)	E _{max} (lx)			
		10°	20°	35°	60°
1	E(0°)	8361	5418	3186	1232
	Cone Ø (m)	0.19	0.35	0.58	1.05
2	E(0°)	2090	1355	797	308
	Cone Ø (m)	0.37	0.69	1.17	2.11
3	E(0°)	929	602	354	137
	Cone Ø (m)	0.56	1.04	1.75	3.16
4	E(0°)	523	339	199	77
	Cone Ø (m)	0.74	1.38	2.34	4.22
5	E(0°)	334	217	127	49
	Cone Ø (m)	0.93	1.73	2.92	5.27

Correction Factor:

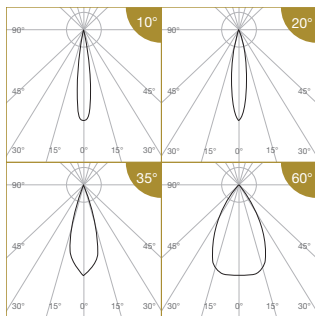
50P (10°) - f = 1.00	50P (20°, 35°, 60°) - f = 1.00
50C (10°) - f = 0.78	50C (20°, 35°, 60°) - f = 0.80
35P (10°) - f = 0.62	35P (20°, 35°, 60°) - f = 0.71
50N (10°) - f = 0.58	50N (20°, 35°, 60°) - f = 0.63
35N (10°) - f = 0.42	35N (20°, 35°, 60°) - f = 0.47
COIN (10°) - f = 0.35	COIN (20°, 35°, 60°) - f = 0.38
50PM (10°) - f = 1.69	50PM (20°, 35°, 60°) - f = 1.73
50CM (10°) - f = 1.37	50CM (20°, 35°, 60°) - f = 1.40
50P-24CV (10°) - f = 0.75	50P-24CV (20°, 35°, 60°) - f = 0.70
50C-24CV (10°) - f = 0.62	50C-24CV (20°, 35°, 60°) - f = 0.57
35P-24CV (10°) - f = 0.48	35P-24CV (20°, 35°, 60°) - f = 0.49
COIN-24CV (10°) - f = 0.28	COIN-24CV (20°, 35°, 60°) - f = 0.27

ELR LED Module				50P	50C	35P	50N	35N	COIN	50PM	50CM
LED Power				12W	10W	8W	7.5W	5.5W	4.5W	21W	17W
System Power				15.2W	12.8W	11W	10W	7.5W	6W	25W	21W
Luminous Flux (lm)	Type	Beam Angle	CRI								
	Single CCT (3000K)	10°	High Efficiency Ra-85	962	755	599	555	407	333	1628	1317
			ProART Ra-95	818	642	510	472	346	283	1384	1120
			ProART98 Ra-98	673	528	420	389	285	233	1140	922
		20°	High Efficiency Ra-85	1305	1044	931	827	609	496	2262	1827
			ProART Ra-95	1109	887	792	703	518	422	1923	1553
			ProART98 Ra-98	914	731	652	579	426	347	1583	1279
	35°	High Efficiency Ra-85	1320	1056	942	836	616	502	2288	1848	
		ProART Ra-95	1122	898	801	711	524	427	1945	1571	
		ProART98 Ra-98	924	739	659	585	431	351	1602	1294	
	60°	High Efficiency Ra-85	1230	984	877	779	574	467	2132	1722	
ProART Ra-95		1046	836	746	663	488	398	1812	1464		
ProART98 Ra-98		861	689	614	545	402	327	1492	1205		
Input Power (24CV)				12W	10W	8W			4.5W		
Luminous Flux (lm)	Type	Beam Angle	CRI								
	24CV Single CCT (3000K)	10°	High Efficiency Ra-85	718	592	466				274	
			ProART Ra-95	611	503	397				233	
			ProART98 Ra-98	502	414	326				192	
		20°	High Efficiency Ra-85	914	748	644				357	
			ProART Ra-95	777	636	547				304	
			ProART98 Ra-98	639	524	451				250	
	35°	High Efficiency Ra-85	924	757	651				361		
		ProART Ra-95	786	643	554				307		
		ProART98 Ra-98	647	530	456				253		
	60°	High Efficiency Ra-85	861	705	607				336		
ProART Ra-95		732	599	516				286			
ProART98 Ra-98		603	494	425				235			

Data are based on 3000K (ProART CRI-95). Nominal data of 2700K and 3500K are shared with 3000K. Higher CCT of 4000K and 5000K will have a nominal data value of 5% higher than published. (f = 1.05) High Efficiency CRI-85 will have a nominal data value of 15% higher than published. (f = 1.17) ProART98 CRI-98 will have a nominal data value of 18% lower than published. (f = 0.82)

Nominal CRI-85, equals to Ra>80-87, R9>0
Nominal CRI-95, equals to Ra>90-97, R9>50
Nominal CRI-98, equals to Ra>97-99, R9>93

35 PRO ComfySHIFT



Height (m)	E(0°)	E _{max} (lx)			
		10°	20°	35°	60°
1	E(0°)	4388	3612	2124	821
	Cone Ø (m)	0.27	0.35	0.58	1.05
2	E(0°)	1097	903	531	205
	Cone Ø (m)	0.54	0.69	1.17	2.11
3	E(0°)	488	401	236	91
	Cone Ø (m)	0.81	1.04	1.75	3.16
4	E(0°)	274	226	133	51
	Cone Ø (m)	1.08	1.38	2.34	4.22
5	E(0°)	176	144	85	33
	Cone Ø (m)	1.35	1.73	2.92	5.27

Correction Factor: 35P CS - f = 1.00
50N CS - f = 0.94

ELR LED Module				35P	50N	
LED Power				8W	7.5W	
System Power				11W	10W	
Luminous Flux (lm)	Type	Beam Angle	CRI			
	ComfySHIFT (3100K)	10°	ProART Ra-95	621	584	
				20°	740	696
				35°	748	704
	60°		697	656		

Data are based on maximum output at 3100K.
Nominal CRI-95, equals to Ra>90-97, R9>50

PIAZZO 4

PHOTOMETRICS

50 PRO WARM DIM



Height (m)	E(0°)	Emax (lx)			
		10°	20°	35°	60°
1	E(0°)	6608	5439	3199	1237
	Cone Ø (m)	0.27	0.35	0.58	1.05
2	E(0°)	1652	1360	800	309
	Cone Ø (m)	0.54	0.69	1.17	2.11
3	E(0°)	734	604	355	137
	Cone Ø (m)	0.81	1.04	1.75	3.16
4	E(0°)	413	340	200	77
	Cone Ø (m)	1.08	1.38	2.34	4.22
5	E(0°)	264	218	128	49
	Cone Ø (m)	1.35	1.73	2.92	5.27

ELR LED Module				50P	35P	50N	35N	COIN								
LED Power				12W	8W	7.5W	5.5W	4.5W								
System Power				15.2W	11W	10W	7.5W	6W								
Luminous Flux (lm)	Type	Beam Angle	CRI	ProART Ra-95	934	621	584	431	350							
										Warm Dim (3100K)	20°	1114	740	696	513	418
											35°	1126	748	704	519	422
											60°	1050	697	656	484	394

Data are based on maximum output at 3100K.
Nominal CRI-95, equals to Ra>90-97, R9>50

Correction Factor: 50P WD - f = 1.00
35P WD - f = 0.86
50N WD - f = 0.63
35N WD - f = 0.46
COIN WD - f = 0.38

50 PRO tuneWHITE/flexiK



Height (m)	E(0°)	Emax (lx)		
		20°	35°	60°
1	E(0°)	4249	2499	966
	Cone Ø (m)	0.35	0.58	1.05
2	E(0°)	1062	625	242
	Cone Ø (m)	0.69	1.17	2.11
3	E(0°)	472	278	107
	Cone Ø (m)	1.04	1.75	3.16
4	E(0°)	266	156	60
	Cone Ø (m)	1.38	2.34	4.22
5	E(0°)	170	100	39
	Cone Ø (m)	1.73	2.92	5.27

ELR LED Module				50P	50N	COIN						
LED Power				12W	7.5W	4.5W						
System Power				15.2W	10W	6W						
Luminous Flux (lm)	Type	Beam Angle	CRI	ProART Ra-95	870	522	313					
								tuneWHITE / flexiK (4000K / 6500K)	35°	880	528	317
									60°	820	492	295

Data are based on maximum output at highest CCT (4000K / 6500K).
2700K will have a nominal data value of 10% lower than published. (f = 0.90)
1800K will have a nominal data value of 30% lower than published. (f = 0.70)
Nominal CRI-95, equals to Ra>90-97, R9>50

Correction Factor: 50P TW / FK - f = 1.00
50N TW / FK - f = 0.60
COIN TW / FK - f = 0.36

50 PRO RGBW



Height (m)	E(0°)	Emax (lx)	
		35°	60°
1	E(0°)	1512	585
	Cone Ø (m)	0.58	1.05
2	E(0°)	378	146
	Cone Ø (m)	1.17	2.11
3	E(0°)	168	65
	Cone Ø (m)	1.75	3.16
4	E(0°)	94	37
	Cone Ø (m)	2.34	4.22
5	E(0°)	60	23
	Cone Ø (m)	2.92	5.27

ELR LED Module				50P			
LED Power				12W			
System Power				15.2W			
Luminous Flux (lm)	Type	Beam Angle	CRI	N/A			
					RGBW	35°	532
						60°	496

Data are based on maximum output of all 4 RGBW channels.

35 PRO HIGH INTENSITY



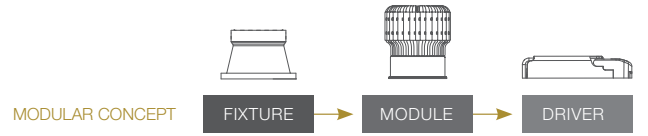
Height (m)	E(0°)	Emax (lx)
		10°
1	E(0°)	10417
	Cone Ø (m)	0.19
2	E(0°)	2604
	Cone Ø (m)	0.37
3	E(0°)	1157
	Cone Ø (m)	0.56
4	E(0°)	651
	Cone Ø (m)	0.74
5	E(0°)	417
	Cone Ø (m)	0.93

ELR LED Module				35P-HI	50N-HI	35N-HI	COIN-HI								
LED Power				8W	7.5W	5.5W	4.5W								
System Power				11W	10W	7.5W	6W								
Luminous Flux (lm)	Type	Beam Angle	CRI	10°	High Efficiency Ra-85	568	533	391	318						
										Single CCT (3000K)	ProART Ra-95	482	453	333	271
											ProART98 Ra-98	397	373	274	223

Data are based on 3000K (ProART CRI-95). Nominal data of 2700K and 3500K are shared with 3000K.
Higher CCT of 4000K and 5000K will have a nominal data value of 5% higher than published. (f = 1.05)
High Efficiency CRI-85 will have a nominal data value of 15% higher than published. (f = 1.17)
ProART98 CRI-98 will have a nominal data value of 18% lower than published. (f = 0.82)
Nominal CRI-85, equals to Ra>80-87, R9>0
Nominal CRI-95, equals to Ra>90-97, R9>50
Nominal CRI-98, equals to Ra>97-99, R9>93

Correction Factor: 35P-HI - f = 1.00
50N-HI - f = 0.94
35N-HI - f = 0.69
COIN-HI - f = 0.56

PIAZZO 4



ORDERING MATRIX CHART

Fixture												
Type	Trim Options		Shape		Aperture		Angle		Colour		Accessories	
PIAZZO-4	T	Trim	RD	Round	F	Flat	TL	Tilt	WH	Matt White	N	None
											SL	Soft Lens
											LSL	Linear Spread Lens
											CP	Comfort Pro
											ADT	Adapter Ring***

***Adapter Ring accessory is necessary when paired with COIN, 35 or 50 series LED module variants.

Fixture																				
Type	Head		Trim Options		Shape		Aperture		Angle		Colour		Accessories							
PIAZZO-4	U	Uno	T	Trim	SQ	Square	F	Flat	TL	Tilt	WH	Matt White	N	None						
	D	Duo													S	Snoot	MB	Matt Black	AGL	Anti-Glare Louvre
	T	Trio													AN	0-10V	DA	DALI		
													LSL	Linear Spread Lens						
													CP	Comfort Pro						
													ADT	Adapter Ring***						

***Adapter Ring accessory is necessary when paired with COIN, 35 or 50 series LED module variants.

Single CCT LED Module					Driver				
LED Power	Beam Angle		Colour Temp	CRI	Dimming				
ELR100P	23W	12	12°	27	2700K	HE	Ra~85	ND	Non-Dim
		20	20°	30	3000K	PA	ProART	PH	Phase
		35	35°	35	3500K	PP	ProART98	AN	0-10V
		60	60°	40	4000K			DA	DALI
		50	5000K						
ELR50PM	21W	10	10°	27	2700K	HE	Ra~85	ND	Non-Dim
ELR50CM	17W	20	20°	30	3000K	PA	ProART	PH	Phase
ELR50P	12W	35	35°	35	3500K	PP	ProART98	AN	0-10V
ELR50C	10W	60	60°	40	4000K			DA	DALI
ELR35P	8W			50	5000K				
ELR50N	7.5W								
ELR35N	5.5W								
ELRCOIN	4.5W								
ELR35P-HI	8W	NS	10°	27	2700K	HE	Ra~85	ND	Non-Dim
ELR50N-HI	7.5W			30	3000K	PA	ProART	PH	Phase
ELR35N-HI	5.5W			35	3500K	PP	ProART98	AN	0-10V
ELRCOIN-HI	4.5W			40	4000K			DA	DALI
				50	5000K				
ELR50P-24CV	12W	10	10°	27	2700K	HE	Ra~85		
ELR50C-24CV	10W	20	20°	30	3000K	PA	ProART		
ELR35P-24CV	8W	35	35°	35	3500K	PP	ProART98		
ELRCOIN-24CV	4.5W	60	60°	40	4000K				
				50	5000K				

*Drivers for 24CV LED modules are sold separately.

ComfySHIFT LED Module					Driver				
LED Power	Beam Angle		Colour Temp	CRI	Dimming				
ELR35P	8W	10	10°	CS	ComfySHIFT	PA	ProART	ND	Non-Dim
ELR50N	7.5W	20	20°						
		35	35°						
		60	60°						

example: PIAZZO-4.U.T.SQ.S.TL.WH.N.ELR100P.35.30.PA.DA

*Custom RAL colour options available.

Warm Dim LED Module					Driver				
LED Power	Beam Angle		Colour Temp	CRI	Dimming				
ELR100P	23W	12	12°	WD	Warm Dim	PA	ProART	PH	Phase
		20	20°					AN	0-10V
		35	35°					DA	DALI
		60	60°						
ELR50P	12W	10	10°	WD	Warm Dim	PA	ProART	PH	Phase
ELR35P	8W	20	20°					AN	0-10V
ELR50N	7.5W	35	35°					DA	DALI
ELR35N	5.5W	60	60°						
ELRCOIN	4.5W								

tuneWHITE LED Module					Driver				
LED Power	Beam Angle		Colour Temp	CRI	Dimming				
ELR100P	23W	20	20°	TW1831	tuneWHITE 1800K-3100K	PA	ProART	DA	DALI
ELR50P	12W	35	35°	TW1840	tuneWHITE 1800K-4000K				
ELR50N	7.5W	60	60°	TW2765	tuneWHITE 2700K-6500K				
ELRCOIN	4.5W								

flexiK LED Module					Driver				
LED Power	Beam Angle		Colour Temp	CRI	Dimming				
ELR100P	23W	20	20°	FK##	flexiK	PA	ProART	PH	Phase
ELR50P	12W	35	35°					AN	0-10V
ELR50N	7.5W	60	60°					DA	DALI
ELRCOIN	4.5W								

denotes the first two digits of preferred CCT ranging from 1800K to 6500K by increment of 100K.

RGBW LED Module				
LED Power	Beam Angle		Colour Temp	
ELR100P	22W	35	35°	RGBW
ELR50P	12W	60	60°	Red, Green, Blue, White

*Drivers for RGBW LED modules are sold separately.