

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

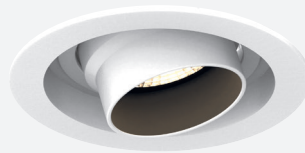


Driver Dimming Variation



PIAZZO 3

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	
	MATT WHITE RAL9003					
	MATT BLACK RAL9011					
	Aperture Options	SNOOT	FLAT			
ACCESSORIES	Honeycomb Anti-Glare Louvre Soft Lens Linear Spread Lens Comfort Pro MR16 Holder GU10 Holder					
LED MODULE	50P/C 35P 50N 35N COIN 35P-HI 50N-HI 35N-HI COIN-HI MR16/GU10					
*Drivers for 24CV LED modules are sold separately.	SINGLE CCT 2700K 3000K 3500K 4000K 5000K ProART ProART98	50P / 50C / 35P / 50N / 35N / COIN 35P-HI / 50N-HI / 35N-HI / COIN-HI	10°	20°	35°	60°
			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
			<input checked="" type="checkbox"/>			
	WARM DIM ComfySHIFT	50P / 50N / 35N / COIN	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	WARM DIM WARM DIM	50P / 50N / 35N / COIN	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
**tuneWHITE and flexiK are recommended to be paired with Soft Lens for better colour mixing effect.	tuneWHITE tuneWHITE	50P / 50N / COIN		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	flexiK flexiK					
*Drivers for RGBW LED modules are sold separately.	RGBW RGBW	50P			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
DRIVER DIMMING	(ND) (PH) (AN) (DA)					

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#ROUND
#SQUARE
#TILT
#TRIM

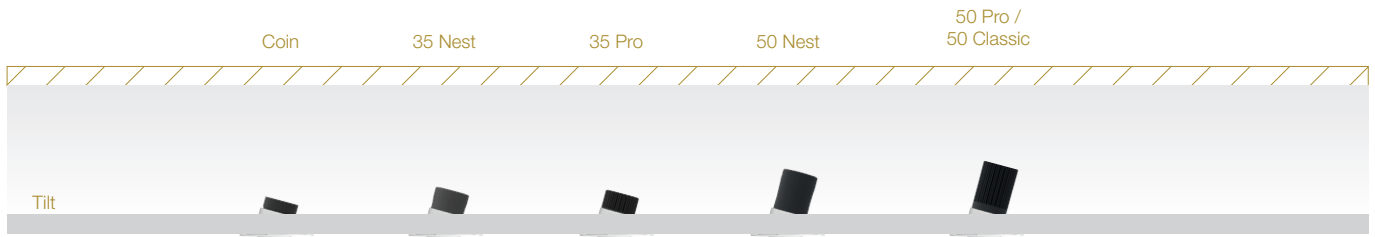
SPECIFICATIONS

FIXTURE

Family Type	Piazza 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	50, 35, COIN series LED modules or MR16/GU10
Lifetime	Up to 50,000 hours L80 lamp life with LM80 tested LED chip packages
Beam Angles	10°, 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



DIMENSIONS (MM)		Height (h)		
ROUND	Trim Ø100	Tilt +/-20°	Module	Tilt
	Ø85 cutout		50P / 50C:	105
SQUARE	Trim 100 x 100	Tilt +/-20° tilt	50N:	102
	UNO 88 x 88 cutout		35P / 35N:	79
	Trim 100 x 185		COIN:	58
	DUO 88 x 170 cutout		50N-HI:	112
	Trim 100 x 270		35P-HI / 35N-HI:	89
TRIO 88 x 255 cutout		COIN-HI:	68	
			MR16 / GU10:	79

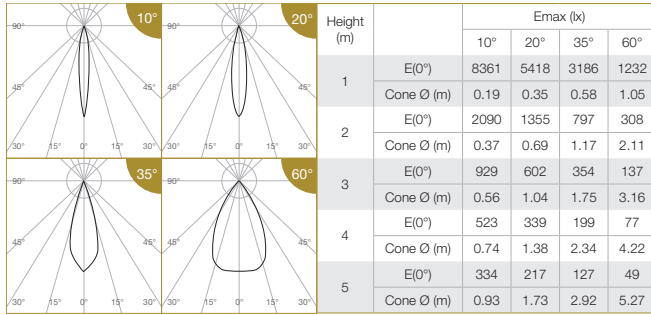
Height increase with accessories:
 Anti-Glare Louvre : Height +6
 Soft Lens : Height +3
 Linear Spread Lens : Height +3
 Comfort Pro : Height +20

(refer to module driver dimensions)

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PHOTOMETRICS

50 PRO



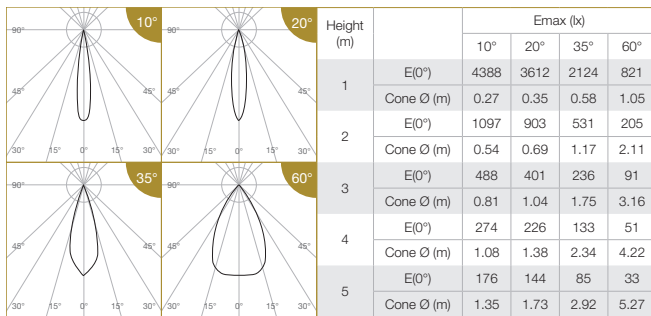
Correction Factor:
 50P (10°) - f = 1.00 50P (20°, 35°, 60°) - f = 1.00
 50P (10°) - f = 0.78 50C (20°, 35°, 60°) - f = 0.80
 35P (10°) - f = 0.62 35P (20°, 35°, 60°) - f = 0.71
 50N (10°) - f = 0.58 50N (20°, 35°, 60°) - f = 0.63
 35N (10°) - f = 0.42 35N (20°, 35°, 60°) - f = 0.47
 COIN (10°) - f = 0.35 COIN (20°, 35°, 60°) - f = 0.38
 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
LED Power				12W	10W	8W	7.5W	5.5W	4.5W
System Power				15.2W	12.8W	11W	10W	7.5W	6W
Luminous Flux (lm)	Type	Beam Angle	CRI	Single CCT (3000K)					
				High Efficiency Ra-85	ProART Ra-95	ProART98 Ra-98	High Efficiency Ra-85	ProART Ra-95	ProART98 Ra-98
Luminous Flux (lm)	24CV Single CCT (3000K)	10°	High Efficiency Ra-85	962	755	599	555	407	333
			ProART Ra-95	818	642	510	472	346	283
			ProART98 Ra-98	673	528	420	389	285	233
		20°	High Efficiency Ra-85	1305	1044	931	827	609	496
			ProART Ra-95	1109	887	792	703	518	422
			ProART98 Ra-98	914	731	652	579	426	347
		35°	High Efficiency Ra-85	1320	1056	942	836	616	502
			ProART Ra-95	1122	898	801	711	524	427
			ProART98 Ra-98	924	739	659	585	431	351
		60°	High Efficiency Ra-85	1230	984	877	779	574	467
			ProART Ra-95	1046	836	746	663	488	398
			ProART98 Ra-98	861	689	614	545	402	327
Input Power (24CV)				12W	10W	8W			4.5W
Luminous Flux (lm)	Type	Beam Angle	CRI	24CV Single CCT (3000K)					
				High Efficiency Ra-85	ProART Ra-95	ProART98 Ra-98	High Efficiency Ra-85	ProART Ra-95	ProART98 Ra-98
Luminous Flux (lm)	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 Ra-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



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)	
				High Efficiency Ra-85	ProART Ra-95
Luminous Flux (lm)	ComfySHIFT (3100K)	10°	ProART Ra-95	621	584
		20°	ProART Ra-95	740	696
		35°	ProART Ra-95	748	704
		60°	ProART Ra-95	697	656

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

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PHOTOMETRICS

50 PRO WARM DIM



Height (m)		Emax (lx)				ELR LED Module																
		10°	20°	35°	60°	50P	35P	50N	35N	COIN												
1	E(0°)	6608	5439	3199	1237	LED Power																
	Cone Ø (m)	0.27	0.35	0.58	1.05	System Power																
2	E(0°)	1652	1360	800	309	Luminous Flux (lm)	Type	Beam Angle	CRI	50P	35P	50N	35N	COIN								
	Cone Ø (m)	0.54	0.69	1.17	2.11																	
3	E(0°)	734	604	355	137										Warm Dim (3100K)	10°	ProART Ra-95	934	621	584	431	350
	Cone Ø (m)	0.81	1.04	1.75	3.16													1114	740	696	513	418
4	E(0°)	413	340	200	77													60°	1126	748	704	519
	Cone Ø (m)	1.08	1.38	2.34	4.22	1050	697	656	484	394												
5	E(0°)	264	218	128	49																	
	Cone Ø (m)	1.35	1.73	2.92	5.27																	

*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)		Emax (lx)			ELR LED Module												
		20°	35°	60°	50P	50N	COIN										
1	E(0°)	4249	2499	966	LED Power												
	Cone Ø (m)	0.35	0.58	1.05	System Power												
2	E(0°)	1062	625	242	Luminous Flux (lm)	Type	Beam Angle	CRI	50P	50N	COIN						
	Cone Ø (m)	0.69	1.17	2.11													
3	E(0°)	472	278	107								tuneWHITE / flexiK (4000K / 6500K)	20°	ProART Ra-95	870	522	313
	Cone Ø (m)	1.04	1.75	3.16											880	528	317
4	E(0°)	266	156	60											60°	820	492
	Cone Ø (m)	1.38	2.34	4.22													
5	E(0°)	170	100	39													
	Cone Ø (m)	1.73	2.92	5.27													

*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)		Emax (lx)		ELR LED Module								
		35°	60°	50P								
1	E(0°)	1512	585	LED Power								
	Cone Ø (m)	0.58	1.05	System Power								
2	E(0°)	378	146	Luminous Flux (lm)	Type	Beam Angle	CRI	50P				
	Cone Ø (m)	1.17	2.11									
3	E(0°)	168	65						RGBW	35°	N/A	532
	Cone Ø (m)	1.75	3.16									496
4	E(0°)	94	37									
	Cone Ø (m)	2.34	4.22									
5	E(0°)	60	23									
	Cone Ø (m)	2.92	5.27									

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

35 PRO HIGH INTENSITY

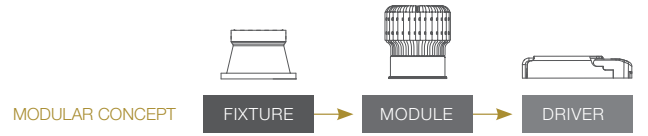


Height (m)		Emax (lx)	ELR LED Module														
		10°	35P-HI	50N-HI	35N-HI	COIN-HI											
1	E(0°)	10417	LED Power														
	Cone Ø (m)	0.19	System Power														
2	E(0°)	2604	Luminous Flux (lm)	Type	Beam Angle	CRI	35P-HI	50N-HI	35N-HI	COIN-HI							
	Cone Ø (m)	0.37															
3	E(0°)	1157									Single CCT (3000K)	10°	High Efficiency Ra-85	568	533	391	318
	Cone Ø (m)	0.56												ProART Ra-95	482	453	333
4	E(0°)	651												ProART98 Ra-98	397	373	274
	Cone Ø (m)	0.74															
5	E(0°)	417															
	Cone Ø (m)	0.93															

*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

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ORDERING MATRIX CHART

Fixture												
Type	Trim Options		Shape		Aperture		Angle		Colour		Accessories	
PIAZZO-3	T	Trim	RD	Round	F	Flat	TL	Tilt	WH	Matt White	N	None
					S	Snoot			MB	Matt Black	AGL	Anti-Glare Louvre
											SL	Soft Lens
											LSL	Linear Spread Lens
											CP	Comfort Pro
											CMB	COIN Module Bracket****
											MR16	MR16 Holder
											GU10	GU10 Holder

Fixture														
Type	Head		Trim Options		Shape		Aperture		Angle		Accessories			
PIAZZO-3	U	Uno	T	Trim	SQ	Square	F	Flat	TL	Tilt	WH	Matt White	N	None
	D	Duo									MB	Matt Black	AGL	Anti-Glare Louvre
	T	Trio											SL	Soft Lens
													LSL	Linear Spread Lens
													CP	Comfort Pro
													CMB	COIN Module Bracket****
													MR16	MR16 Holder
													GU10	GU10 Holder

****COIN Module Bracket accessory is necessary when paired with COIN LED module variants.

Single CCT LED Module					Driver	
LED Power	Beam Angle		Colour Temp	CRI	Dimming	
ELR50P	12W	10° 10°	27 2700K	HE Ra~85	ND	Non-Dim
ELR50C	10W	20° 20°	30 3000K	PA ProART	PH	Phase
ELR35P	8W	35° 35°	35 3500K	PP ProART98	AN	0-10V
ELR50N	7.5W	60° 60°	40 4000K		DA	DALI
ELR35N	5.5W		50 5000K			
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-3.U.T.SQ.S.TL.WH.N.ELR50N.35.30.PA.DA

*Custom RAL colour options available.

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

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

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	
ELR50P	12W	35° 35°	RGBW	Red, Green, Blue, White
	60° 60°			

*Drivers for RGBW LED modules are sold separately.