

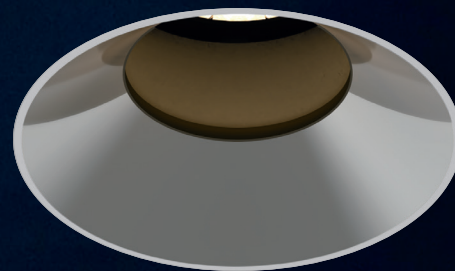
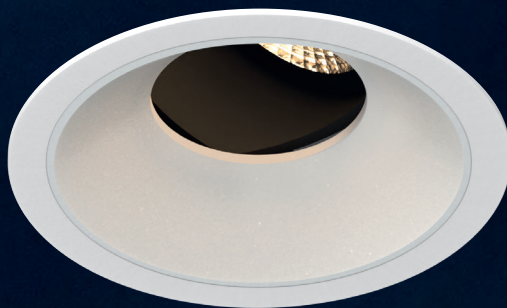
Reduced Glare

ELR®

VASARI PRO

DOWNLIGHT SERIES

An expansion to the Vasari downlight series, designed with a narrower trim and deeper aperture for better glare control. The Vasari Pro downlight is equipped with a regression tilt mechanism that allows up to 35 degrees tilting adjustment, offering versatility for various applications.



Fixture Features



IP54 / IP65

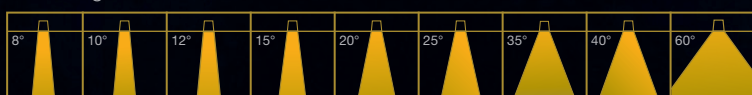


Ceiling Safe

Module Colour Temperature Variation



Beam Angle



Driver Dimming Variation



VASARI 2G PRO

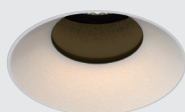
RECESSED ROUND FIX / TILT DOWNLIGHT LUMINAIRE



#ROUND
#FIX
#NARROWTRIM



#ROUND
#TILT
#NARROWTRIM



#ROUND
#FIX
#TRIMLESS



#ROUND
#TILT
#TRIMLESS

TECHNOLOGY AND FEATURES



Advanced Thermal
Protection System



Low Flicker,
No Risk
(IEEE 1789)



Converging Optical Lens
Maximising LOR



Ceiling
Safe

AVAILABLE OPTIONS

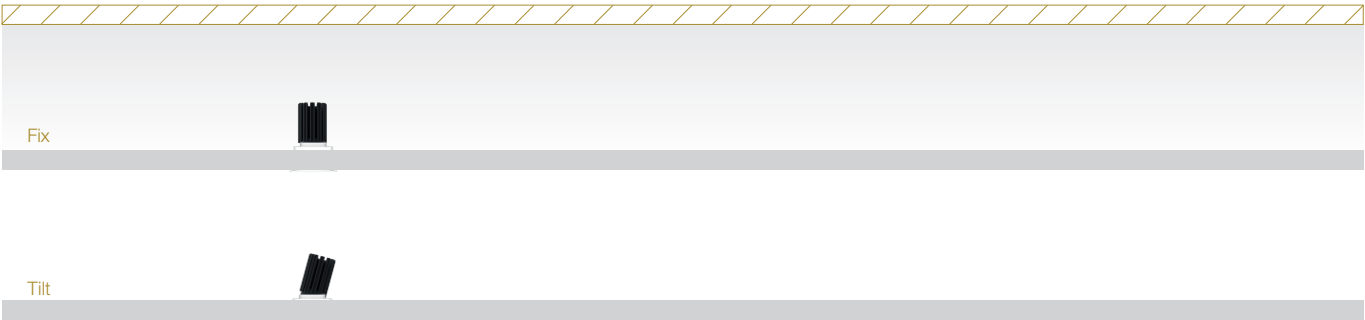
FIXTURE COLOUR OPTIONS	TRIM COLOUR	 Matt White RAL 9003	 Matt Black RAL 9011	 Brushed Bronze	 Brushed Brass	 Brushed Copper																																						
	REFLECTOR COLOUR	 Matt White RAL 9003	 Matt Black RAL 9011	 Chrome	 Chrome Black	 Titanium Gold	 Brushed Bronze	 Brushed Brass	 Brushed Copper																																			
ACCESSORIES	 Honeycomb Anti-Glare Louvre  Soft Lens  Linear Spread Lens  Comfort Pro  IP54 IP65																																											
LED MODULE	 20 P <table><thead><tr><th>Single CCT</th><th>20P</th><th>8°</th><th>15°</th><th>25°</th><th>40°</th></tr></thead><tbody><tr><td> 2700K 3000K 3500K 4000K 5000K ProART ProART98 </td><td></td><td>✓</td><td>✓</td><td>✓</td></tr><tr><td>ComfySHIFT</td><td>20P-HI</td><td>✓</td><td></td><td></td><td></td></tr><tr><td>ComfySHIFT</td><td>20P</td><td></td><td></td><td>✓</td><td>✓</td></tr><tr><td>Warm Dim</td><td>20P</td><td></td><td></td><td>✓</td><td>✓</td></tr><tr><td>tuneWHITE / flexiK</td><td>20P</td><td></td><td></td><td>✓</td><td>✓</td></tr></tbody></table> **tuneWHITE and flexiK are recommended to be paired with Soft Lens for better colour mixing effect.									Single CCT	20P	8°	15°	25°	40°	2700K 3000K 3500K 4000K 5000K ProART ProART98		✓	✓	✓	ComfySHIFT	20P-HI	✓				ComfySHIFT	20P			✓	✓	Warm Dim	20P			✓	✓	tuneWHITE / flexiK	20P			✓	✓
Single CCT	20P	8°	15°	25°	40°																																							
2700K 3000K 3500K 4000K 5000K ProART ProART98		✓	✓	✓																																								
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Warm Dim	20P			✓	✓																																							
tuneWHITE / flexiK	20P			✓	✓																																							
DRIVER DIMMING	 ND  PH  AN  DA  DT8  DMX  CSB																																											

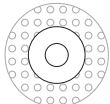
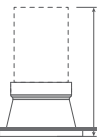
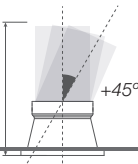
**tuneWHITE and flexiK are recommended to be paired with Soft Lens for better colour mixing effect.

VASARI 2G
PRO

#ROUND
#FIX
#TILT
#NARROWTRIM
#TRIMLESS

20 Pro



DIMENSIONS (MM)												
ROUND					Height (h)				Weight (g)			
	 Trim Ø83	 Trimless	 Fix	 Tilt	MODULE	FIX		TILT		MODULE	WEIGHT (g)	DRIVER (g)
						REFLECTOR						
						MATT	DARKLIGHT	MATT	DARKLIGHT			
						20P	118	118	120			
 Ø75 cutout												

VASARI 2G PRO

SPECIFICATIONS

FIXTURE	
Family Type	VASARI PRO
Fixture Colours	Matt white (RAL9003), matt black (RAL9011), brushed bronze, brushed brass, brushed copper
Reflector Colours	Matt white (RAL9003), matt black (RAL9011), chrome, chrome black, titanium gold, brushed bronze, brushed brass, brushed copper
Materials	Aluminium
Accessories	Honeycomb anti-glare louvre, soft lens, linear spread lens, Comfort Pro, IP54, IP65
Ingress Protection	IP40, IP54 (room side), IP65 (room side)

LED MODULE & DRIVER	
Family Type	20 series LED modules and engines
Typical Operating Voltage	34V, 12V (constant current LED modules), 24V (24CV LED modules), 48V (48CV LED modules)
Typical Operating Current	180mA - 500mA (please refer to specifications of selected LED engine and driver)
System / Input Power	7.6W - 9.8W (please refer to specifications of selected LED engine and driver)
Beam Angles	8°, 15°, 25°, 40°
Lifetime	50,000 hours (80% lumen maintenance at Ta = 25°C), B10

Colour Temperatures	2700K, 3000K, 3500K, 4000K, 5000K, Warm Dim, tuneWHITE, flexiK
CRI	ProART (CRI~95), ProART98 (CRI~98)
SDCM	2 step MacAdam ellipse binning
Dimming	Non-dim, phase (leading & trailing edge), 0-10V, DALI, DALI DT8, DMX, CASAMBI
Mains Voltage	220-240V, 50Hz (constant current LED modules and drivers)
Power Factor	>0.9
Fire Safety	Glow wire test 850°C, UL94V-0, VW-1
Flammability Mark	F
Safety Class	Class 2 (220-240VAC), Class 3 (24V, 48V constant voltage)
Standards	IEC 62031, IEC 61347-2-13
Regulatory Markings	CE, CB, CCC, RoHS

PHOTOMETRICS

20 PRO

				Height (m)	E _{max} (lx)			ELR LED Module				20P				
		15°	25°		40°	LED Power			8W	6.2W						
		1	E(0°)	6100	3030	1624	System Power			9.8W	7.6W					
			Cone Ø (m)	0.23	0.45	0.74										
		2	E(0°)	1525	758	406	Luminous Flux (lm)	Type	Beam Angle	CRI						
			Cone Ø (m)	0.47	0.91	1.49										
		3	E(0°)	678	337	180										
		Cone Ø (m)	0.70	1.36	2.23	Single CCT (3000K)							15°	High Efficiency ProART CRI-95	810	651
					ProART98 CRI-98										558	457
			Cone Ø (m)	0.94	1.82									2.98	High Efficiency ProART CRI-95	801
					ProART98 CRI-98									552		452
			E(0°)	244	121									65	High Efficiency ProART CRI-95	792
					ProART98 CRI-98									545		446
	5	Cone Ø (m)	1.17	2.27	3.72								40°			

Correction Factor: 20P 8W ~ f = 1.00
20P 6.2W ~ f = 0.80

Data are based on 3000K (High Efficiency 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)
ProART98 CRI~98 will have a nominal data value of 31% lower than published. (f = 0.69)

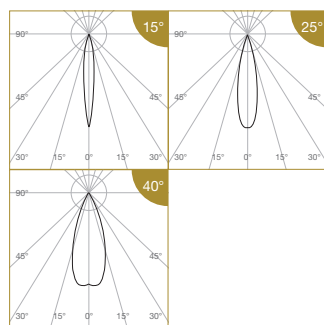
Nominal CRI~95, equals to Ra>90~97, R9>50
Nominal CRI~98, equals to Ra>97~99, R9>93

20P constant current and 20P 48CV (constant voltage) shared lumens data. 48CV available in 8W and 6.2W options.

VASARI 2G PRO

PHOTOMETRICS

20 PRO 24CV



Height (m)		Emax (lx)		
		15°	25°	40°
1	E(0°)	3548	1763	944
	Cone Ø (m)	0.23	0.45	0.74
2	E(0°)	887	441	236
	Cone Ø (m)	0.47	0.91	1.49
3	E(0°)	394	196	105
	Cone Ø (m)	0.70	1.36	2.23
4	E(0°)	222	110	59
	Cone Ø (m)	0.94	1.82	2.98
5	E(0°)	142	71	38
	Cone Ø (m)	1.17	2.27	3.72

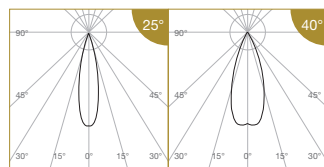
Correction Factor:
20P-24CV 8W - $f = 1.00$
20P-24CV 6.2W - $f = 0.83$

ELR LED Module				20P	
Input Power (24CV)				8W	6.2W
Luminous Flux (lm)	Type	Beam Angle	CRI		
	24CV Single CCT (3000K)	15°	High Efficiency Ra-85	554	458
			ProART Ra-95	471	389
			ProART98 Ra-98	388	320
		25°	High Efficiency Ra-85	548	452
			ProART Ra-95	466	385
			ProART98 Ra-98	384	317
		40°	High Efficiency Ra-85	542	447
			ProART Ra-95	461	380
			ProART98 Ra-98	379	313

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

20 PRO WARM DIM



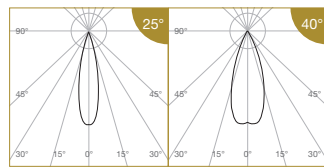
Height (m)		Emax (lx)	
		25°	40°
1	E(0°)	2106	1128
	Cone Ø (m)	0.45	0.74
2	E(0°)	526	282
	Cone Ø (m)	0.91	1.49
3	E(0°)	234	125
	Cone Ø (m)	1.36	2.23
4	E(0°)	132	71
	Cone Ø (m)	1.82	2.98
5	E(0°)	84	45
	Cone Ø (m)	2.27	3.72

ELR LED Module				20P
LED Power				8W
System Power				9.8W
Luminous Flux (lm)	Type	Beam Angle	CRI	
	Warm Dim (3100K)	25°	ProART Ra-95	557
			ProART Ra-95	550
		40°	ProART Ra-95	550

Data are based on maximum output at 3100K.

Nominal CRI-95, equals to Ra>90-97, R9>50

20 PRO tuneWHITE / flexiK



Height (m)		Emax (lx)	
		25°	40°
1	E(0°)	2419	1296
	Cone Ø (m)	0.45	0.74
2	E(0°)	605	324
	Cone Ø (m)	0.91	1.49
3	E(0°)	269	144
	Cone Ø (m)	1.36	2.23
4	E(0°)	151	81
	Cone Ø (m)	1.82	2.98
5	E(0°)	97	52
	Cone Ø (m)	2.27	3.72

ELR LED Module				20P
LED Power				8W
System Power				9.8W
Luminous Flux (lm)	Type	Beam Angle	CRI	
	tuneWHITE / flexiK (5500K)	25°	ProART Ra-95	639
			ProART Ra-95	632
		40°	ProART Ra-95	632

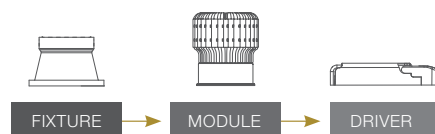
Data are based on maximum output at highest CCT (5500K). 4000K will have a nominal data value of 5% lower than published. 2700K will have a nominal data value of 10% lower than published. 1800K will have a nominal data value of 30% lower than published.

Nominal CRI-95, equals to Ra>90-97, R9>50

Reduced Glare

VASARI 2G PRO

MODULAR CONCEPT



PHOTOMETRICS

20 PRO High Intensity



Height (m)		E _{max} (lx)		ELR LED Module				20P
			8°					
1	E(0°)	4275	LED Power				6.2W	
	Cone Ø (m)	0.15	System Power				7.6W	
2	E(0°)	1069	Luminous Flux (lm)	Type	Beam Angle	CRI		
	Cone Ø (m)	0.30						
3	E(0°)	475	Single CCT (3000K)	8°	High Efficiency ProART CRI-95	159		
	Cone Ø (m)	0.45						
4	E(0°)	267	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)					
	Cone Ø (m)	0.60	Nominal CRI-85, equals to Ra>80-87, R9>0 Nominal CRI-95, equals to Ra>90-97, R9>50					
5	E(0°)	171						
	Cone Ø (m)	0.75						

FIXTURE ORDERING MATRIX CHART

Fixture										
Type	Trim Option		Shape		Angle		Colour		Reflector Colour	
VASARI-2GPRO	NT	Narrow Trim	RD	Round	FX	Fix	WH	Matt White	WH	Matt White
	X	Trimless			TL	Tilt	MB	Matt Black	MB	Matt Black
							BBZ	Brushed Bronze	CR	Chrome
							BBR	Brushed Brass	CB	Chrome Black
							BCP	Brushed Copper	TG	Titanium Gold
									BBZ	Brushed Bronze
									BBR	Brushed Brass
									BCP	Brushed Copper

example: VASARI-2GPRO.NT.RD.TL.WH.CR

Note: Custom RAL colour options available.

Accessories		
Type	Accessory	Fixture Size
MPACC		-2
	AGL	Anti-Glare Louvre
	SL	Soft Lens
	LSL	Linear Spread Lens
	CP	Comfort Pro
	IP54	IP54 dropped in (roomside)
	IP65	IP65 sealed (roomside)

example: MPACC.CP-2

LED MODULE & DRIVER ORDERING MATRIX CHART

Single CCT LED Module					
LED Power		Beam Angle		Colour Temp	
				CRI	
ELR20P.8	8W	15°	15°	27	2700K
ELR20P.6	6.2W	25°	25°	30	3000K
		40°	40°	35	3500K
				40	4000K
				50	5000K
				PA	ProART
				PP	ProART98

example: ELR20P.8.40.30.PA

Driver					
Type		Dimming		Output Power	
MP.DRA	Modular Pro ATePS Driver	ND	Non-Dim	8	8W
		PH	Phase	6	6.2W
		AN	0-10V		
		DA	DALI		
		DMX	DMX		
		CSB	Casambi		

example: MP.DRA.DA.8

Note: Please ensure that LED Power of LED module matches the Output Power of driver when ordering.

VASARI 2G PRO

LED MODULE & DRIVER ORDERING MATRIX CHART

Single CCT 24CV LED Module							
Input Power		Beam Angle		Colour Temp		CRI	
ELR20P-24CV.8	8W	15	15°	27	2700K	HE	Ra~85
ELR20P-24CV.6	6.2W	25	25°	30	3000K	PA	ProART
		40	40°	35	3500K	PP	ProART98
				40	4000K		
				50	5000K		

example: ELR20P-24CV.8.40.30.HP

Note: Power supply unit for 24/48CV LED modules are sold separately.

Single CCT High Intensity LED Module							
LED Power		Beam Angle		Colour Temp		CRI	
ELR20P-HI.6	6.2W	8	8°	27	2700K	HE	Ra~85
				30	3000K	PA	ProART
				35	3500K		
				40	4000K		
				50	5000K		

example: ELR20P-HI.6.8.30.PA

Warm Dim LED Module							
LED Power		Beam Angle		Colour Temp		CRI	
ELR20P.8	8W	25	25°	WD	Warm Dim	PA	ProART
ELR20P.6	6.2W	40	40°				

example: ELR20P.8.40.WD.PA

tuneWHITE LED Module							
LED Power		Beam Angle		Colour Temp		CRI	
ELR20P.8	8W	25	25°	TW1840	tuneWHITE 1800K-4000K	PA	ProART
ELR20P.6	6.2W	40	40°	TW2755	tuneWHITE 2700K-5500K		

example: ELR20P.8.40.TW2755.PA

flexiK LED Module							
LED Power		Beam Angle		Colour Temp		CRI	
ELR20P.8	8W	25	25°	FK##	flexiK	PA	ProART
ELR20P.6	6.2W	40	40°				

denotes the first two digits of preferred CCT ranging from 1800K to 5500K by increment of 100K.

example: ELR20P.8.40.FK43.PA

Driver					
Type		Dimming		Output Power	
MP.DRN.12	Modular Pro Driver 12V	ND	Non-Dim	6	6.2W
		PH	Phase		
		AN	0-10V		
		DA	DALI		
		DMX	DMX		
		CSB	Casambi		

example: MP.DRN.12.DA.6

Note: Please ensure that LED Power of LED module matches the Output Power of driver when ordering.

Driver					
Type		Dimming		Output Power	
MP.DRA	Modular Pro ATePS Driver	PH	Phase	8	8W
		AN	0-10V	6	6.2W
		DA	DALI		
		DMX	DMX		
		CSB	Casambi		

example: MP.DRA.DA.8

Note: Please ensure that LED Power of LED module matches the Output Power of driver when ordering.

Driver							
Type		Dimming		Output Power		Colour Temp	
MP.DRA	Modular Pro ATePS Driver	DT8	DALI DT8	8	8W	TW1840	tuneWHITE 1800K-4000K
		DMX	DMX	6	6.2W	TW2755	tuneWHITE 2700K-5500K
		CSB	Casambi				

example: MP.DRA.DT8.8.TW2755

Note: Ensure LED Power and Colour Temperature selection of LED module matches the Output Power and Colour Temperature selection of driver when ordering.

Driver					
Type		Dimming		Output Power	
MP.DRA	Modular Pro ATePS Driver	ND	Non-Dim	8	8W
		PH	Phase	6	6.2W
		AN	0-10V		
		DA	DALI		
		DMX	DMX		
		CSB	Casambi		

example: MP.DRA.DA.8

Note: Please ensure that LED Power of LED module matches the Output Power of driver when ordering.