

Reduced Glare

VECO

DOWNLIGHT SERIES

A series of downlights with a simplistic design that is available in various sizes, shapes, and finishing. Incorporating ELR's signature modular concept design, LED modules are fully interchangeable with various choices to provide optimal illumination for all kinds of spaces.



Future proof with upgradeable module



Multiple accessories options



Trim thickness < 2mm



Fixture size of a tennis ball Ø68mm

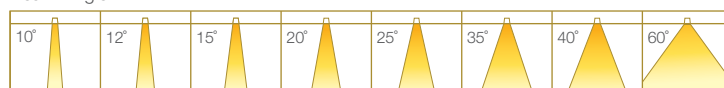
Fixture Features



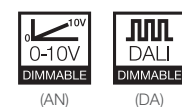
Module Colour Temperature Variation



Beam Angle



Driver Dimming Variation



VECO 2 65

RECESSED ROUND FIX DOWNLIGHT LUMINAIRE



#ROUND
#FIX
#TRIM
#IP65



#ROUND
#FIX
#TRIM
#IP65

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 Options	Reflector Colour Options				
	MATT WHITE RAL9003 MATT BLACK RAL9011	MATT WHITE RAL9003 	MATT BLACK RAL9011 	CHROME 	CHROME BLACK 	CHROME GOLD 
ACCESSORIES	   					
LED MODULE	 20C/P	  				
	SINGLE CCT       	20P / 20C				
WARM DIM 	20P / 20C					
tuneWHITE 	20P / 20C					
flexiK 						
DRIVER DIMMING	   					

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

VECO 2

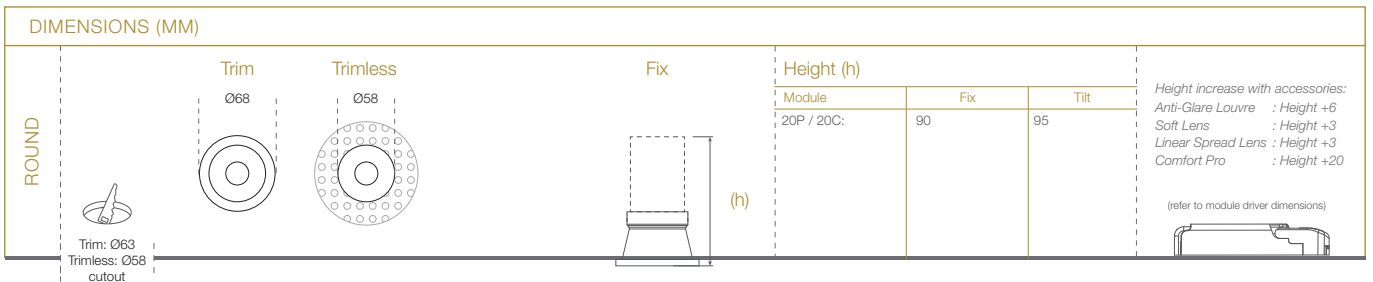
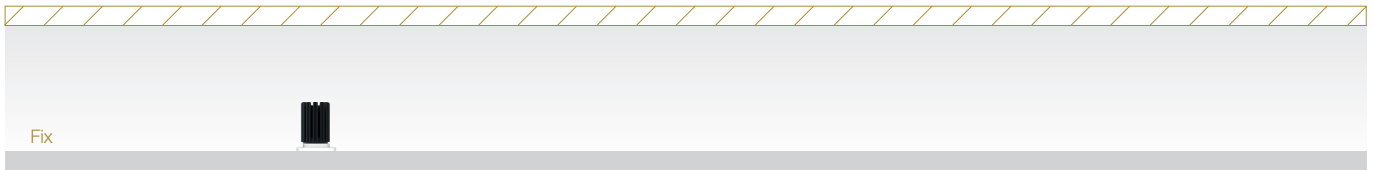
IP 65

#ROUND
#FIX
#TRIM
#TRIMLESS

SPECIFICATIONS

FIXTURE	
Family Type	Veco series
Fixture Colours	Matt white, matt black
Reflector Colours	Matt white, matt black, chrome, chrome black, chrome gold
Fixture Materials	Aluminium
Accessories	Honeycomb anti-glare louvre, soft lens, linear spread lens, Comfort Pro
Ingress Protection	IP65 (Fixture Face Only)
LED MODULE & DRIVER	
Compatible LED Modules	20 series LED modules
Lifetime	Up to 50,000 hours L80 lamp life with LM80 tested LED chip packages
Beam Angles	15°, 25°, 40°
Colour Temperatures	2700K, 3000K, 3500K, 4000K, 5000K, Warm Dim, tuneWHITE, flexiK
CRI	High Efficiency (CRI~85), ProART (CRI~95), ProART98 (CRI~98)
Driver (Dimming)	Non-dim, phase (leading & trailing edge), 0-10V, DALI

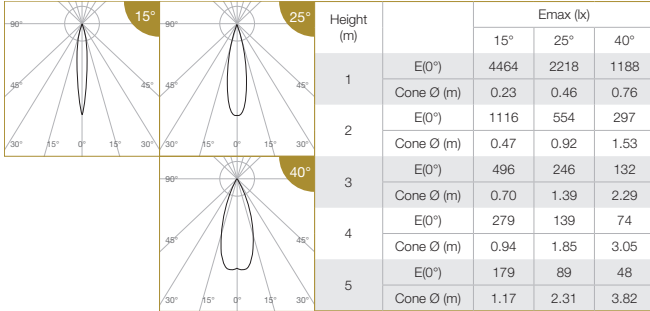
20 Pro /
20 Classic



VECO 2 IP 65

PHOTOMETRICS

20 PRO



Correction Factor:
 20P - f = 1.00
 20C - f = 0.81
 20P-24CV - f = 0.78
 20C-24CV - f = 0.64

ELR LED Module				20P	20C		
LED Power				8W	6.2W		
System Power				10.5W	8.3W		
Luminous Flux (lm)	Single CCT (3000K)	15°	Type	High Efficiency Ra-85	745	607	
			ProART Ra-95	634	516		
			ProART98 Ra-98	522	425		
		25°	High Efficiency Ra-85	753	614		
			ProART Ra-95	641	522		
			ProART98 Ra-98	527	430		
	40°	High Efficiency Ra-85	761	620			
		ProART Ra-95	648	527			
		ProART98 Ra-98	533	434			
	Input Power (24CV)				8W	6.2W	
	Luminous Flux (lm)	24CV Single CCT (3000K)	15°	Type	High Efficiency Ra-85	580	478
				ProART Ra-95	493	407	
ProART98 Ra-98				406	335		
25°			High Efficiency Ra-85	586	484		
			ProART Ra-95	498	411		
			ProART98 Ra-98	410	339		
40°		High Efficiency Ra-85	592	489			
		ProART Ra-95	504	415			
		ProART98 Ra-98	415	342			

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

VECO 2 65

PHOTOMETRICS

20 PRO WARM DIM

Height (m)		Emax (lx)		ELR LED Module			20P	20C
		25°	40°	LED Power			8W	6.2W
1	E(0°)	2577	1381	System Power			10.5W	8.3W
	Cone Ø (m)	0.46	0.76	Luminous Flux (lm)	Type	Beam Angle	CRI	744
2	E(0°)	644	345		Warm Dim (3100K)	25°		
	Cone Ø (m)	0.92	1.53	40°				
3	E(0°)	286	153	<i>Data are based on maximum output at 3100K.</i>				
	Cone Ø (m)	1.39	2.29	<i>Nominal CRI-95, equals to Ra>90-97, R9>50</i>				
4	E(0°)	161	86					
	Cone Ø (m)	1.85	3.05					
5	E(0°)	103	55					
	Cone Ø (m)	2.31	3.82					

Correction Factor: 20P WD - f = 1.00
20C WD - f = 0.78

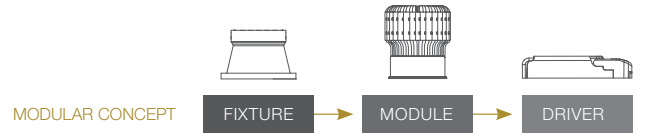
20 PRO tuneWHITE/flexiK

Height (m)		Emax (lx)		ELR LED Module			20P	20C
		25°	40°	LED Power			8W	6.2W
1	E(0°)	2094	1122	System Power			10.5W	8.3W
	Cone Ø (m)	0.46	0.76	Luminous Flux (lm)	Type	Beam Angle	CRI	605
2	E(0°)	523	280		tuneWHITE/flexiK (4000K / 6500K)	25°		
	Cone Ø (m)	0.92	1.53	40°				
3	E(0°)	233	125	<i>Data are based on maximum output at highest CCT (4000K / 6500K).</i>				
	Cone Ø (m)	1.39	2.29	<i>2700K will have a nominal data value of 10% lower than published. (f = 0.90)</i>				
4	E(0°)	131	70	<i>1800K will have a nominal data value of 30% lower than published. (f = 0.70)</i>				
	Cone Ø (m)	1.85	3.05	<i>Nominal CRI-95, equals to Ra>90-97, R9>50</i>				
5	E(0°)	84	45					
	Cone Ø (m)	2.31	3.82					

Correction Factor: 20P TW / FK - f = 1.00
20C TW / FK - f = 0.78

Reduced Glare

VECO 2 65



ORDERING MATRIX CHART

Fixture												
Type	Trim Options		Shape		Angle		Colour		Reflector Colour		Accessories	
VECO-2.IP65	T	Trim	RD	Round	FX	Fix	WH	Matt White	WH	Matt White	N	None
	X	Trimless										AGL
									CR	Chrome	SL	Soft Lens
									CB	Chrome Black	LSL	Linear Spread Lens
									CG	Chrome Gold	CP	Comfort Pro

Single CCT LED Module								Driver	
LED Power		Beam Angle		Colour Temp		CRI		Dimming	
ELR20P	8W	15	15°	27	2700K	HE	Ra-85	ND	Non-Dim
ELR20C	6.2W	25	25°	30	3000K	PA	ProART	PH	Phase
			40	40°	35	3500K	PP	ProART98	AN
		40	40°	40	4000K			DA	DALI
				50	5000K				
ELR20P-24CV	8W	15	15°	27	2700K	HE	Ra-85		
ELR20C-24CV	6.2W	25	25°	30	3000K	PA	ProART		
			40	40°	35	3500K	PP	ProART98	
		40	40°	40	4000K				
				50	5000K				

*Drivers for 24CV LED modules are sold separately.

example: VECO-2.IP65.T.RD.TL.WH.WH.N.ELR20P.15.27.PA.DA
*Custom RAL colour options available.

Warm Dim LED Module								Driver	
LED Power		Beam Angle		Colour Temp		CRI		Dimming	
ELR20P	8W	25	25°	WD	Warm Dim	PA	ProART	PH	Phase
ELR20C	6.2W	40	40°					AN	0-10V
								DA	DALI

tuneWHITE LED Module								Driver	
LED Power		Beam Angle		Colour Temp		CRI		Dimming	
ELR20P	8W	25	25°	TW1831	tuneWHITE 1800K-3100K	PA	ProART	DA	DALI
ELR20C	6.2W	40	40°	TW1840	tuneWHITE 1800K-4000K				
				TW2765	tuneWHITE 2700K-6500K				

flexiK LED Module								Driver	
LED Power		Beam Angle		Colour Temp		CRI		Dimming	
ELR20P	8W	25	25°	FK##	flexiK	PA	ProART	PH	Phase
ELR20C	6.2W	40	40°					AN	0-10V
								DA	DALI

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