

NEBULA

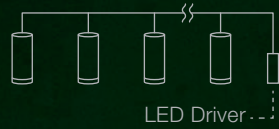
OUTDOOR WALL MOUNT SERIES

Wall mounted luminaires in a variety of sizes and output that operate on constant voltage platform, allowing multiple luminaires to be powered by a single LED driver remotely. Incorporating ELR's signature modular concept design, LED engines are fully interchangeable with various choices for optimal illumination and ease of maintenance.

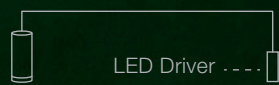
External Driver



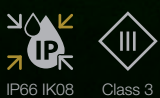
Constant Voltage
Multiple LED module driven by a single LED driver



Constant Current
Single LED module driven by a single LED driver



Fixture Features



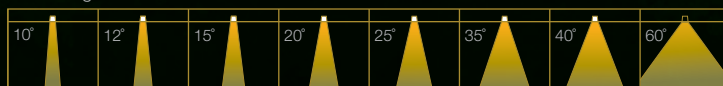
Module Colour Temperature Variation



Driver Dimming Variation



Beam Angle



NEBULA 2 WALL MOUNT

IP 66 IK08

DC CONSTANT VOLTAGE / CONSTANT CURRENT
OUTDOOR WALL MOUNTED LUMINAIRE



#WALL MOUNT
#DOWN

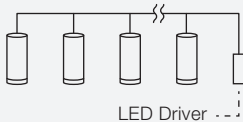


#WALL MOUNT
#UP DOWN

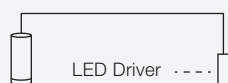
EXTERNAL DRIVER



Constant Voltage
Multiple LED module driven by a single LED driver



Constant Current
Single LED module driven by a single LED driver



TECHNOLOGY AND FEATURES


































































Advanced Thermal Protection System



Low Flicker, No Risk (IEEE 1789)



Converging Optical Lens Maximising LOR

AVAILABLE OPTIONS																					
FIXTURE COLOUR OPTIONS	MATT GREY RAL7001	MATT BLACK RAL9011																			
																					
ACCESSORIES	 Honeycomb Anti-Glare Louvre  Soft Lens  Linear Spread Lens																				
LED MODULE CONSTANT VOLTAGE	 20PLE / 20CLE  2700K  3000K  3500K  4000K  5000K  ProART  ProART98	 15°  25°  40°																			
CONSTANT CURRENT	 20PLE / 20CLE <table border="1"> <tr> <td> SINGLE CCT  2700K  3000K  3500K  4000K  5000K  ProART  ProART98 </td> <td>20PLE / 20CLE</td> <td> 15°</td> <td> 25°</td> <td> 40°</td> </tr> <tr> <td> WARM DIM  WARM DIM </td> <td rowspan="3">20PLE / 20CLE</td> <td></td> <td></td> <td></td> </tr> <tr> <td> tuneWHITE  tuneWHITE </td> <td></td> <td>✓</td> <td>✓</td> </tr> <tr> <td> flexiK  flexiK </td> <td></td> <td></td> <td></td> </tr> </table>	SINGLE CCT  2700K  3000K  3500K  4000K  5000K  ProART  ProART98	20PLE / 20CLE	 15°	 25°	 40°	WARM DIM  WARM DIM	20PLE / 20CLE				tuneWHITE  tuneWHITE		✓	✓	flexiK  flexiK				 15°  25°  40°	
SINGLE CCT  2700K  3000K  3500K  4000K  5000K  ProART  ProART98	20PLE / 20CLE	 15°	 25°	 40°																	
WARM DIM  WARM DIM	20PLE / 20CLE																				
tuneWHITE  tuneWHITE			✓	✓																	
flexiK  flexiK																					
DRIVER DIMMING <i>*Drivers for 24CV LED modules are sold separately.</i>	 (ND)  (PH)  (AN)  (DA)																				



Class 3



Constant Voltage

NEBULA 2 WALL MOUNT

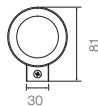
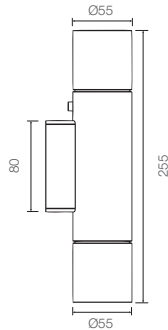
IP 66 IK08

SPECIFICATIONS

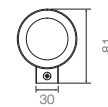
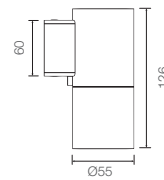
FIXTURE

Family Type	Nebula series
Fixture Colours	Matt grey, matt black
Fixture Materials	Aluminium
Accessories	Honeycomb anti-glare louvre, soft lens, linear spread lens
Ingress Protection	IP66
Safety Class	Class 3
DC Input Cable	Supplied with 1m cable
LED MODULE & DRIVER	
Compatible LED Modules	20 series 24CV LED engines
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
CRI	High Efficiency (CRI~85), ProART (CRI~95), ProART98 (CRI~98)
Driver (Dimming)	24V DC constant voltage non-dim, phase-dim, 0-10V, DALI

DIMENSIONS (MM)

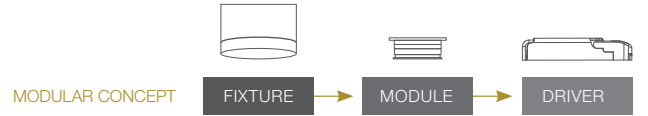


(UP DOWN)



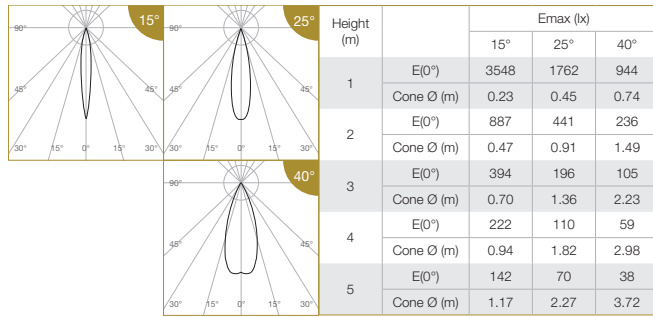
(DOWN)

NEBULA 2 WALL MOUNT **IP66 IK08**



PHOTOMETRICS

20 PLE 24CV



Correction Factor: 20PLE-24CV - f = 1.00
20CLE-24CV - f = 0.83

ELR LED Module				20PLE	20CLE
Input Power (24CV)				8W	6.2W
Luminous Flux (lm)	Type	Beam Angle	CRI		
				24CV Single CCT (3000K)	15°
	ProART Ra-95	472	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

ORDERING MATRIX CHART

Type	Fixture				Accessories
	Ingress Protection	Shape	Colour		
NEBULA-2WM	IP66	D	GR	Matt Grey	N None
		UD	MB	Matt Black	AGL Anti-Glare Louvre
	IP66	UD	GR	Matt Grey	SL Soft Lens
					LSL Linear Spread Lens

Single CCT LED Module							
Input Power		Beam Angle		Colour Temp		CRI	
ELR20PLE-24CV	8W	15	15°	27	2700K	HE	Ra-85
			25°		30	3000K	PA
		ELR20CLE-24CV	6.2W	25	25°	35	3500K
40°	40				4000K		
50	5000K						

example: NEBULA-2WM.IP66.D.GR.N.ELR20PLE-24CV.25.30.PA

*Drivers for 24CV LED modules are sold separately, please refer to recommended driver list.

*Custom RAL colour options available.



Class 3



Constant Current

NEBULA 2 WALL MOUNT

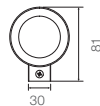
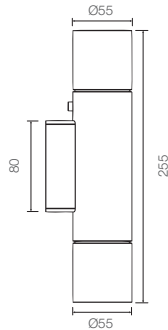
IP 66 IK08

SPECIFICATIONS

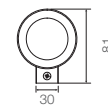
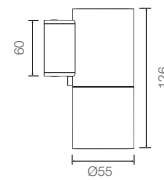
FIXTURE

Family Type	Nebula series
Fixture Colours	Matt grey, matt black
Fixture Materials	Aluminium
Accessories	Honeycomb anti-glare louvre, soft lens, linear spread lens
Ingress Protection	IP66
Safety Class	Class 3
DC Input Cable	Supplied with 1m cable
LED MODULE & DRIVER	
Compatible LED Modules	20 series LED engines
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

DIMENSIONS (MM)



(UP DOWN)

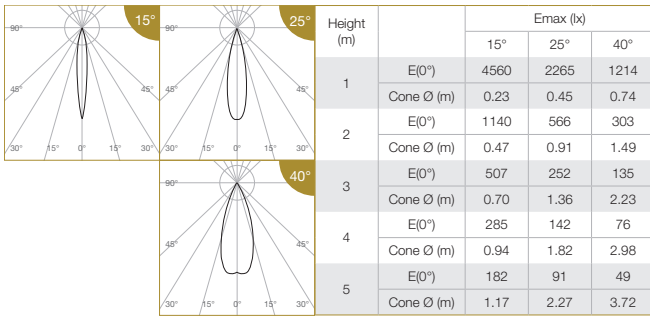


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NEBULA 2 WALL MOUNT IP 66 IK08

PHOTOMETRICS

20 PLE



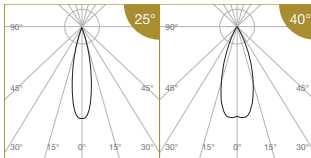
Correction Factor: 20PLE - $f = 1.00$
20CLE - $f = 0.81$

ELR LED Module				20PLE	20CLE		
LED Power				8W	6.2W		
System Power				10.5W	8.3W		
Luminous Flux (lm)	Type	Beam Angle	CRI				
		15°	High Efficiency Ra-85		713	581	
				ProART Ra-95	606	494	
				ProART98 Ra-98	499	407	
			25°	High Efficiency Ra-85		705	574
					ProART Ra-95	599	488
					ProART98 Ra-98	493	402
		40°	High Efficiency Ra-85		697	568	
				ProART Ra-95	593	482	
		ProART98 Ra-98	488	397			

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>97-98, R9>93

20 PLE WARM DIM



Correction Factor: 20PLE WD - $f = 1.00$
20CLE WD - $f = 0.78$

ELR LED Module				20PLE	20CLE		
LED Power				8W	6.2W		
System Power				10.5W	8.3W		
Luminous Flux (lm)	Type	Beam Angle	CRI				
		Warm Dim (3100K)	25°	ProART Ra-95		696	539
					40°	688	533

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

NEBULA 2 WALL MOUNT IP 66 IK08

PHOTOMETRICS

20 PLE tuneWHITE/flexiK

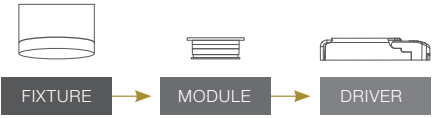


		E _{max} (lx)		ELR LED Module				20PLE	20CLE
		25°	40°	LED Power		System Power		8W	6.2W
1	E(0°)	2139	1146	System Power		10.5W		8.3W	
	Cone Ø (m)	0.45	0.74	Luminous Flux (lm)	Type	Beam Angle	CRI		
2	E(0°)	535	286		tuneWHITE / flexiK (4000K / 6500K)	25°	ProART Ra-95	566	439
	Cone Ø (m)	0.91	1.49	40°			559	434	
3	E(0°)	238	127	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)	1.36	2.23						
4	E(0°)	134	72						
	Cone Ø (m)	1.82	2.98						
5	E(0°)	86	46						
	Cone Ø (m)	2.27	3.72						

Correction Factor: 20PLE WD - f = 1.00
20CLE WD - f = 0.78

NEBULA 2 WALL MOUNT 66 IK08

MODULAR CONCEPT



ORDERING MATRIX CHART

Type	Fixture							
	Ingress Protection		Shape		Colour		Accessories	
NEBULA-2WM	IP66	IP66	D	Down	GR	Matt Grey	N	None
			UD	Up/Down	MB	Matt Black	AGL	Anti-Glare Louvre
							SL	Soft Lens
							LSL	Linear Spread Lens

Single CCT LED Module						Driver			
Input Power		Beam Angle		Colour Temp		CRI		Dimming	
ELR20PLE	8W	15	15°	27	2700K	HE	Ra~85	ND	Non-Dim
ELR20CLE	6.2W	25	25°	30	3000K	PA	ProART	PH	Phase
		40	40°	35	3500K	PP	ProART98	AN	0-10V
				40	4000K			DA	DALI
				50	5000K				

Warm Dim LED Module						Driver			
LED Power		Beam Angle		Colour Temp		CRI		Dimming	
ELR20PLE	8W	25	25°	WD	Warm Dim	PA	ProART	PH	Phase
ELR20CLE	6.2W	40	40°					AN	0-10V
								DA	DALI

tuneWHITE LED Module						Driver			
LED Power		Beam Angle		Colour Temp		CRI		Dimming	
ELR20PLE	8W	25	25°	TW1831	tuneWHITE 1800K-3100K	PA	ProART	DA	DALI
ELR20CLE	6.2W	40	40°	TW1840	tuneWHITE 1800K-4000K				
				TW2765	tuneWHITE 2700K-6500K				

flexiK LED Module						Driver			
LED Power		Beam Angle		Colour Temp		CRI		Dimming	
ELR20PLE	8W	25	25°	FK##	flexiK	PA	ProART	PH	Phase
ELR20CLE	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.

example: NEBULA-2WM.IP66.D.GR.N.ELR20PLE.25.30.PA.DA

*Custom RAL colour options available.