



Chara

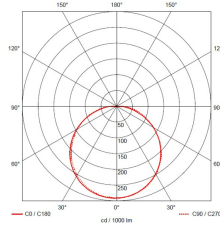
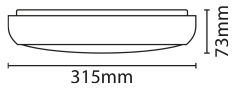
Chara white IP65 bulkhead opal diffuser switchable power CCT

DESCRIPTION

Offering 3 selectable power levels and 3 selectable colour temperatures, this versatile range offers the ultimate in practicality and multiple options from a single product. Suitable for interior or exterior installation the range of accessories ensures suitability for functional or decorative applications

FEATURES

- Full white trim included
- Hinged LED array & push fit terminal block
- Power Selectable 9W, 14W and 18W
- Colour temperature selectable 3000K, 4400K & 6500K
- IK10 rated
- Central BESA box mounting option on the base



GENERAL INFORMATION

Light Source	LED	Colour / Finish	White
Application	Internal/External	Mounting Type	Surface
Product Warranty	5 Years	Net Weight	0.76 kg
Energy Efficiency Class	D		

TECHNICAL INFORMATION

Nominal Voltage	240	Frequency	50Hz
Class Protection	2	Operating Temperature (Min)	-20 °C
Operating Temperature (Max)	45 °C	Average Rated Life	50,000 h
Number of switching cycles	25,000	Construction Materials Line 1	Polycarbonate
Construction Materials Line 2	ABS	Dimensions - Height	315 mm
Dimensions - Width	315 mm	Dimensions - Depth	73 mm
IK Rating	IK10	IP Rating	IP65

PRODUCT INFORMATION

Wattage Combined	9W / 14W / 18W	CCT Combined	3000K / 4400K / 6500K
Luminaire Lumens Combined	1010 - 2150 lm	lm/W Combined	112 - 119 lm/w
Beam Angle	120°	CRI	80
SDCM	<6	Lumen Maintenance	0.7



Lighting Technology used	LED	Non-Directional or Directional	NDLS
Mains or non-mains	MLS	Connected light source (CLS)	FALSE
Colour tuneable light source	FALSE	High Luminance light source	FALSE
Anti Glare shield	FALSE	Dimmable	Not Dimmable
Correlated Colour temperature type	STEPS	Correlated Colour temperature (K) 1	3,000
Correlated Colour temperature (K) 2	4,400	Correlated Colour temperature (K) 3	6,500
Chromaticity coordinates x	0.364	Chromaticity coordinates y	0.366
Stroboscopic effect metric (SVM)	0.1	Flicker Metric (pst)	0.1
R9 colour rendering index	42.0	Survival factor @6000hrs	0.9
Claim LED Replace Fluorescent	FALSE	Spectrum report available	Yes
Displacement Factor	0.92	CCT1/WATT1: Rated Peak Intensity	286 cd
CCT1/WATT2: Rated Peak Intensity	432 cd	CCT1/WATT3: Rated Peak Intensity	611 cd
CCT2/WATT1: Rated Peak Intensity	305 cd	CCT2/WATT2: Rated Peak Intensity	482 cd
CCT2/WATT3: Rated Peak Intensity	598 cd	CCT3/WATT1: Rated Peak Intensity	296 cd
CCT3/WATT2: Rated Peak Intensity	456 cd	CCT3/WATT3: Rated Peak Intensity	586 cd



PHOTOMETRICS					
Product Code	Product Type	Watts	CCT	Luminaire lumens	Lm/W
CHA18STD	Standard	9 W	3000 K	1010 lm	112 lm/W
			4400 K	1140 lm	127 lm/W
			6500 K	1120 lm	124 lm/W
		14 W	3000 K	1530 lm	109 lm/W
			4400 K	1690 lm	121 lm/W
			6500 K	1680 lm	120 lm/W
		18 W	3000 K	1900 lm	106 lm/W
			4400 K	2230 lm	124 lm/W
			6500 K	2150 lm	119 lm/W
CHA18MW	On / Off Microwave, White, Full Trim	9 W	3000 K	1010 lm	112 lm/W
			4400 K	1140 lm	127 lm/W
			6500 K	1120 lm	124 lm/W
		14 W	3000 K	1530 lm	109 lm/W
			4400 K	1690 lm	121 lm/W
			6500 K	1680 lm	120 lm/W
		18 W	3000 K	1900 lm	106 lm/W
			4400 K	2210 lm	123 lm/W
			6500 K	2150 lm	119 lm/W
CHA18EM3	Emergency, White, Full Trim	9 W	3000 K	1011 lm	112 lm/W
			4400 K	1140 lm	127 lm/W
			6500 K	1120 lm	124 lm/W
		14 W	3000 K	1530 lm	109 lm/W
			4400 K	1690 lm	121 lm/W
			6500 K	1680 lm	120 lm/W
		18 W	3000 K	1900 lm	106 lm/W
			4400 K	2210 lm	123 lm/W
			6500 K	2150 lm	119 lm/W
CHA18MW3	Emergency, On / Off Microwave, White, Full Trim	9 W	3000 K	1010 lm	112 lm/W
			4400 K	1140 lm	127 lm/W
			6500 K	1120 lm	124 lm/W
		14 W	3000 K	1530 lm	109 lm/W
			4400 K	1690 lm	121 lm/W
			6500 K	1680 lm	120 lm/W
		18 W	3000 K	1900 lm	106 lm/W
			4400 K	2210 lm	123 lm/W
			6500 K	2150 lm	119 lm/W
CHA18SD	Step Dim Microwave	9 W	3000 K	1010 lm	112 lm/W
			4400 K	1140 lm	127 lm/W
			6500 K	1120 lm	124 lm/W
		14 W	3000 K	1530 lm	109 lm/W
			4400 K	1690 lm	121 lm/W
			6500 K	1680 lm	120 lm/W
		18 W	3000 K	1900 lm	106 lm/W
			4400 K	2210 lm	123 lm/W
			6500 K	2150 lm	119 lm/W
CHA18SDEM3	Emergency, Step Dim Microwave	9 W	3000 K	1010 lm	112 lm/W
			4400 K	1140 lm	127 lm/W
			6500 K	1100 lm	122 lm/W
			3000 K	1530 lm	109 lm/W



IP65



IK10



	14 W	4400 K	1690 lm	121 lm/W
		6500 K	1680 lm	120 lm/W
	18 W	3000 K	1900 lm	106 lm/W
		4400 K	2230 lm	124 lm/W
		6500 K	2150 lm	119 lm/W



ACCESSORIES

Product Code	Description	MOM / OPQ
CHAEYEBK	Black Eyelid Trim for CHA18 Range	1 / 50
CHAEYEGY	Grey Eyelid Trim for CHA18 Range	1 / 50
CHAEYEWB	White Eyelid Trim for CHA18 Range	1 / 50
CHAFULLBK	Full Black Trim for CHA18 Range	1 / 50
CHAFULLCR	Full Chrome Trim for CHA18 Range	1 / 50

PACKAGING

Packaging Type	Colour Box
Individual unit gross weight	914 g
Pallet Layer Qty	60
Pallet Layers	3
Pallet Qty	180
MOM / OPQ	1 / 10

