



# Ion Vertical

Designed to deliver.  
On time. Easily integrated. Industry leading solution.

Introducing ION from Nualight. A range of highly efficient, performance driven and cost effective horizontal and vertical LED refrigeration lighting products for refrigerated display cases chiller and freezer doors, chiller canopy and shelves available from stock with short delivery times worldwide. Designed with the latest LED technology, ION is simple to install and maintain whilst providing visually colour rich, vibrant, high impact retail displays. With lifetime costs cheaper than conventional lighting, ION also has industry leading lumens per watt output significantly reducing energy bills. ION from Nualight is offered in a range of lengths, colour temperatures including Red-Tone. There is also a range of complementary cables and brackets, available to order separately.



## KEY BENEFITS

- Fast delivery times for stocked products
- Extremely robust and durable, with class leading impact and ingress ratings of IK10 & IP66
- Ideal solution for retrofits due to a range of connection options for easy integration into any size case or application
- Industry leading efficacies combined with 100,000 hour lifetimes delivers exceptionally low cost of ownership and quick paybacks
- High quality CRI LED chips provide rich and uniformly lit displays, minimising any visible colour shift throughout the installations lifetime

## APPLICATIONS

- Bakery
- Dairy
- Drinks
- Fresh Fish
- Fresh Meat
- Frozen
- Grocery
- Refrigeration

## WARRANTY



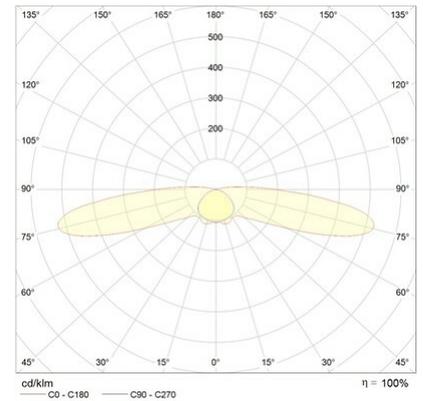
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**true brilliance**

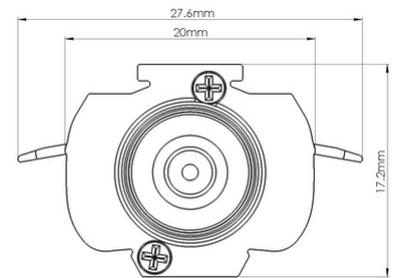
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Article Description	Power (W)	Lumens (lm)	Efficacy (lm/W)	Length (mm)	Length (inch)	Part Number
ION V CHILLER RP 876 C 4000K Vivace	11	1550	140	876	34.5	N14427-24X
ION V CHILLER RP 1676 C 4000K Vivace	22	3100	140	1676	66	N14436-24X
ION V CHILLER RP 876 E 4000K Vivace	5.5	775	140	876	34.5	N14440-24X
ION V CHILLER RP 1676 E 4000K Vivace	11	1550	140	1676	66	N14449-24X
ION V FREEZER 750 C 5000K	5.5	800	146	750	29.5	N14500-24X
ION V FREEZER 876 C 5000K	7	1025	146	876	34.5	N14504-24X
ION V FREEZER 1176 C 5000K	10.5	1525	146	1176	46.3	N14508-24X
ION V FREEZER 1476 C 5000K	12.5	1825	146	1476	58.1	N14512-24X
ION V FREEZER 1676 C 5000K	13	1900	146	1676	66	N14516-24X
ION V FREEZER 876 C RT	7	800	115	876	34.5	N14517-24X
ION V FREEZER 1176 C RT	10.5	1200	115	1176	46.3	N14518-24X
ION V FREEZER 1476 C RT	12.5	1425	115	1476	58.1	N14519-24X
ION V FREEZER 1676 C RT	13	1500	115	1676	66	N14520-24X
ION V FREEZER 876 C 3000K Vivace	7	900	130	876	34.5	N14522-24X
ION V FREEZER 876 C 3500K Vivace	7	900	130	876	34.5	N14523-24X
ION V FREEZER 876 C 4000K Vivace	7	975	140	876	34.5	N14524-24X
ION V FREEZER 1176 C 3000K Vivace	10.5	1375	130	1176	46.3	N14526-24X
ION V FREEZER 1176 C 3500K Vivace	10.5	1425	136	1176	46.3	N14527-24X
ION V FREEZER 1176 C 4000K Vivace	10.5	1475	140	1176	46.3	N14528-24X
ION V FREEZER 1476 C 3000K Vivace	12.5	1625	130	1476	58.1	N14530-24X
ION V FREEZER 1476 C 3500K Vivace	12.5	1700	136	1476	58.1	N14531-24X
ION V FREEZER 1476 C 4000K Vivace	12.5	1750	140	1476	58.1	N14532-24X
ION V FREEZER 1676 C 3000K Vivace	13	1700	130	1676	66	N14534-24X
ION V FREEZER 1676 C 3500K Vivace	13	1750	136	1676	66	N14535-24X
ION V FREEZER 1676 C 4000K Vivace	13	1825	140	1676	66	N14536-24X
ION V FREEZER 750 E 5000K	2.75	400	146	750	29.5	N14538-24X
ION V FREEZER 876 E 5000K	3.5	500	146	876	34.5	N14542-24X
ION V FREEZER 1176 E 5000K	5.25	750	146	1176	46.3	N14546-24X
ION V FREEZER 1476 E 5000K	6.25	900	146	1476	58.1	N14550-24X
ION V FREEZER 1676 E 5000K	6.5	950	146	1676	66	N14554-24X
ION V FREEZER 876 E RT	3.5	400	115	876	34.5	N14555-24X
ION V FREEZER 1176 E RT	5.25	600	115	1176	46.3	N14556-24X
ION V FREEZER 1476 E RT	6.25	725	115	1476	58.1	N14557-24X
ION V FREEZER 1676 E RT	6.5	750	115	1676	66	N14558-24X
ION V FREEZER 876 E 3000K Vivace	3.5	450	130	876	34.5	N14560-24X
ION V FREEZER 876 E 3500K Vivace	3.5	475	136	876	34.5	N14561-24X
ION V FREEZER 876 E 4000K Vivace	3.5	500	140	876	34.5	N14562-24X
ION V FREEZER 1176 E 3000K Vivace	5.25	675	130	1176	46.3	N14564-24X
ION V FREEZER 1176 E 3500K Vivace	5.25	700	136	1176	46.3	N14565-24X
ION V FREEZER 1176 E 4000K Vivace	5.25	750	140	1176	46.3	N14566-24X
ION V FREEZER 1476 E 3000K Vivace	6.25	800	130	1476	58.1	N14568-24X
ION V FREEZER 1476 E 3500K Vivace	6.25	850	136	1476	58.1	N14569-24X
ION V FREEZER 1476 E 4000K Vivace	6.25	875	140	1476	58.1	N14570-24X
ION V FREEZER 1676 E 3000K Vivace	6.5	850	130	1676	66	N14572-24X
ION V FREEZER 1676 E 3500K Vivace	6.5	875	136	1676	66	N14573-24X
ION V FREEZER 1676 E 4000K Vivace	6.5	900	140	1676	66	N14574-24X
ION V FREEZER LO 1276 C 5600K Vivace	10	1500	150	1276	50.2	N14575-24X
ION V FREEZER LO 1276 E 5600K Vivace	5	750	150	1276	50.2	N14576-24X
ION V CHILLER 876 C 5000K	17.25	2500	146	876	34.5	N14579-24X

## PHOTOMETRY



## DIMENSIONAL SKETCH



## MATERIALS/FINISH

Clear anodise aluminium, with UV stabilised polycarbonate

## INSTALLATION/MOUNTING

Range of complementary cables, brackets and sleeve options, are available to order separately

## STANDARDS AND CERTIFICATES

EN55015, EN60335-1, EN60335-2-24, EN60335-2-89, EN60598-1, EN60598-2-1, EN61000-3-2, EN61000-3-3

## PATENTS

US7,513,637 B2  
US7,976,181 B2  
US 7,871,176 B2  
EP1,828,677 B1

ION V CHILLER 1176 C 5000K	21.5	3125	146	1176	46.3	N14583-24X
ION V CHILLER 1476 C 5000K	24.75	3600	146	1476	58.1	N14587-24X
ION V CHILLER 1676 C 5000K	26.25	3800	146	1676	66	N14591-24X
ION V CHILLER 876 C RT	17.25	1900	110	876	34.5	N14592-24X
ION V CHILLER 1176 C RT	21.5	2350	110	1176	46.3	N14593-24X
ION V CHILLER 1476 C RT	24.75	2725	110	1476	58.1	N14594-24X
ION V CHILLER 1676 C RT	26.25	2875	110	1676	66	N14595-24X
ION V CHILLER 876 C 3000K Vivace	17.25	2250	131	876	34.5	N14596-24X
ION V CHILLER 876 C 3500K Vivace	17.25	2325	136	876	34.5	N14597-24X
ION V CHILLER 876 C 4000K Vivace	17.25	2425	140	876	34.5	N14598-24X
ION V CHILLER 1176 C 3000K Vivace	21.5	2800	131	1176	46.3	N14600-24X
ION V CHILLER 1176 C 3500K Vivace	21.5	2925	136	1176	46.3	N14601-24X
ION V CHILLER 1176 C 4000K Vivace	21.5	3000	140	1176	46.3	N14602-24X
ION V CHILLER 1476 C 3000K Vivace	24.75	3225	131	1476	58.1	N14604-24X
ION V CHILLER 1476 C 3500K Vivace	24.75	3350	136	1476	58.1	N14605-24X
ION V CHILLER 1476 C 4000K Vivace	24.75	3450	140	1476	58.1	N14606-24X
ION V CHILLER 1676 C 3000K Vivace	26.25	3425	131	1676	66	N14608-24X
ION V CHILLER 1676 C 3500K Vivace	26.25	3550	136	1676	66	N14609-24X
ION V CHILLER 1676 C 4000K Vivace	26.25	3675	140	1676	66	N14610-24X
ION V CHILLER 876 E 5000K	8.5	1200	146	876	34.5	N14615-24X
ION V CHILLER 1176 E 5000K	10.75	1550	146	1176	46.3	N14619-24X
ION V CHILLER 1476 E 5000K	12.25	1775	146	1476	58.1	N14623-24X
ION V CHILLER 1676 E 5000K	13	1925	146	1676	66	N14627-24X
ION V CHILLER 876 E RT	8.5	925	110	876	34.5	N14628-24X
ION V CHILLER 1176 E RT	10.75	1175	110	1176	46.3	N14629-24X
ION V CHILLER 1476 E RT	12.25	1350	110	1476	58.1	N14630-24X
ION V CHILLER 1676 E RT	13	1425	110	1676	66	N14631-24X
ION V CHILLER 876 E 3000K Vivace	8.25	1075	131	876	34.5	N14632-24X
ION V CHILLER 876 E 3500K Vivace	8.25	1125	136	876	34.5	N14633-24X
ION V CHILLER 876 E 4000K Vivace	8.25	1150	140	876	34.5	N14634-24X
ION V CHILLER 1176 E 3000K Vivace	10.75	1400	131	1176	46.3	N14636-24X
ION V CHILLER 1176 E 3500K Vivace	10.75	1450	136	1176	46.3	N14637-24X
ION V CHILLER 1176 E 4000K Vivace	10.75	1500	140	1176	46.3	N14638-24X
ION V CHILLER 1476 E 3000K Vivace	12.25	1600	131	1476	58.1	N14640-24X
ION V CHILLER 1476 E 3500K Vivace	12.25	1650	136	1476	58.1	N14641-24X
ION V CHILLER 1476 E 4000K Vivace	12.25	1725	140	1476	58.1	N14642-24X
ION V CHILLER 1676 E 3000K Vivace	13.25	1725	131	1676	66	N14644-24X
ION V CHILLER 1676 E 3500K Vivace	13.25	1800	136	1676	66	N14645-24X
ION V CHILLER 1676 E 4000K Vivace	13.25	1850	140	1676	66	N14646-24X
ION V CHILLER HO 1176 C 3000K Vivace	26	3250	125	1176	46.3	N14654-24X
ION V CHILLER HO 1176 C 3500K Vivace	26	3400	131	1176	46.3	N14655-24X
ION V CHILLER HO 1176 C 4000K Vivace	26	3625	140	1176	46.3	N14656-24X
ION V CHILLER HO 1476 C 3000K Vivace	33.75	4225	125	1476	58.1	N14657-24X
ION V CHILLER HO 1476 C 3500K Vivace	33.75	4400	131	1476	58.1	N14658-24X
ION V CHILLER HO 1476 C 4000K Vivace	33.75	4725	140	1476	58.1	N14659-24X
ION V CHILLER RP 1176 C 4000K Vivace	16	2250	140	1176	46.3	N14660-24X
ION V CHILLER RP 1176 E 4000K Vivace	8	1125	140	1176	46.3	N14661-24X
ION V CHILLER RP 1476 C 4000K Vivace	19	2650	140	1476	58.1	N14662-24X
ION V CHILLER RP 1476 E 4000K Vivace	9.5	1325	140	1476	58.1	N14663-24X
ION V CHILLER HO 1176 E 3000K Vivace	12.75	1600	125	1176	46.3	N14666-24X
ION V CHILLER HO 1176 E 3500K Vivace	12.75	1650	131	1176	46.3	N14667-24X
ION V CHILLER HO 1176 E 4000K Vivace	12.75	1800	140	1176	46.3	N14668-24X

ION V CHILLER HO 1476 E 3000K Vivace	16.75	2100	125	1476	58.1	N14669-24X
ION V CHILLER HO 1476 E 3500K Vivace	16.75	2175	131	1476	58.1	N14670-24X
ION V CHILLER HO 1476 E 4000K Vivace	16.75	2350	140	1476	58.1	N14671-24X
ION V CHILLER 1276 C 3500K Vivace	22.5	3050	136	1276	50.2	N14738-24X
ION V CHILLER 1276 E 3500K Vivace	11.25	1525	136	1276	50.2	N14740-24X
ION V CHILLER HO 1276 C 3500K Vivace	28.25	3700	131	1276	50.2	N14747-24X
ION V CHILLER HO 1276 C 4000K Vivace	28.25	4000	140	1276	50.2	N14748-24X
ION V CHILLER HO 1276 E 3500K Vivace	14	1825	131	1276	50.2	N14749-24X
ION V CHILLER HO 1276 E 4000K Vivace	14	1975	140	1276	50.2	N14750-24X
ION V CHILLER HO 1276 C 3000K Vivace	28.25	3525	125	1276	50.2	N14752-24X
ION V CHILLER HO 1276 E 3000K Vivace	14	1750	125	1276	50.2	N14754-24X
ION V FREEZER LO 1476 C 3000K Vivace	10	1300	130	1476	58.1	N14759-24X
ION V FREEZER LO 1476 C 3500K Vivace	10	1375	136	1476	58.1	N14760-24X
ION V FREEZER LO 1476 C 4000K Vivace	10	1400	140	1476	58.1	N14761-24X
ION V FREEZER LO 1476 C 5000K	10	1475	146	1476	58.1	N14762-24X
ION V FREEZER LO 1476 E 3000K Vivace	5	650	130	1476	58.1	N14763-24X
ION V FREEZER LO 1476 E 3500K Vivace	5	675	136	1476	58.1	N14764-24X
ION V FREEZER LO 1476 E 4000K Vivace	5	700	140	1476	58.1	N14765-24X
ION V FREEZER LO 1476 E 5000K	5	725	146	1476	58.1	N14766-24X
ION V FREEZER LO 1776 C 3000K Vivace	12.5	1625	130	1776	69.9	N14767-24X
ION V FREEZER LO 1776 C 3500K Vivace	12.5	1700	136	1776	69.9	N14768-24X
ION V FREEZER LO 1776 C 4000K Vivace	12.5	1750	140	1776	69.9	N14769-24X
ION V FREEZER LO 1776 C 5000K	12.5	1825	146	1776	69.9	N14770-24X
ION V FREEZER LO 1776 E 3000K Vivace	6	775	130	1776	69.9	N14771-24X
ION V FREEZER LO 1776 E 3500K Vivace	6	800	136	1776	69.9	N14772-24X
ION V FREEZER LO 1776 E 4000K Vivace	6	850	140	1776	69.9	N14773-24X
ION V FREEZER LO 1776 E 5000K	6	875	146	1776	69.9	N14774-24X
ION V CHILLER 1176 C 5700K	16	1350	146	1176	46.3	N14867-24X
ION V CHILLER 876 C 5700K	12	1750	146	876	34.5	N14868-24X
ION V CHILLER 1176 E 5700K	8	1175	146	1176	46.3	N14869-24X
ION V CHILLER 876 E 5700K	6	875	146	876	34.5	N14870-24X
ION V CHILLER 750 C 4000K Vivace	10	1400	140	750	29.5	N14924-24X
ION V CHILLER 750 E 4000K Vivace	5	700	140	750	29.5	N14925-24X



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