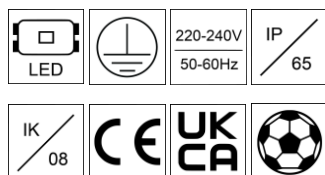


## NORTE | LED

### High-bays



#### Images for the product family and options:



#### Description:

Surface mounted or suspended high-bay LED luminaire  
 Light distribution type: direct  
 Optical system: lenses, silicone rubber gasket, impact resistant  
 Housing: aluminium  
 Colour: white (RAL9003)

#### General data:

Mains voltage: 220-240V, 0/50-60Hz  
 LED lifetime, h: 100000/L80B10  
 SDCM: 3  
 Protection class IEC: I  
 Ingress protection code: IP65  
 Mechanical impact resistance: IK08 (IK10 with protection grid)  
 Protection symbol: D  
 Operating temperature range, °C: ta -20...+35/ +40

#### Installation:

On the ceiling or wall, or suspended. Push-in terminal, 5x2x2.5mm<sup>2</sup>

#### Environment:

Indoor

#### Application:

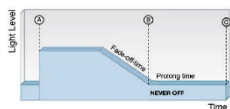
Industry, warehouse, hall, sports, transport terminal



Fixture mounted HBPIR sensors provide fast installation and immediate energy savings by automatically activating lighting only during periods of occupancy. Reliable passive infrared (PIR) technology detects occupancy, and the variable time delay - up to 30 minutes - is user accessible without power, tools or disassembly, and allows the ideal setting based on application needs. Included with the sensor are lenses for high-bay, low-bay and aisle mounting, allowing one unit to cover a variety of applications. The innovative Autocal feature performs an automatic daylight level calibration. Once calibrated, the sensor requires no further adjustment and immediately enters daylight harvesting mode, actively switching the connected fixture load ON and OFF in response to occupancy and available natural light maximizing energy savings through efficient light harvesting.



Fixture mounted HBEAIR sensors ensure lighting is only on when and where it is needed. The sensors in combination with luminaires can bring huge benefits in terms of energy management as they provide occupancy detection and daylight sensing for heights up to 16 meters. Energy saving - typically between 30% and 50%. HBEAIR can be easily programmed via a smartphone, that offers immense flexibility to commission luminaires into groups and further divided in zones wirelessly. The HBEAIR offers intelligent wireless lighting control, for warehouse (and similar) applications. Advantages: 5m-16m mounting height, simple grouping via NFC and IR with the Apps, zoning and occupancy sharing (zone with motion goes to full task level while sub-zones are maintained at background light level).



Corridor option automatic switching is based on presence/motion with the time delay set on site to suit the customer's requirements, where no presence is detected the light level will fade from 100% down to 10% saving up to 60% of the energy usage. The COR function does not abruptly switch off the lighting but dims it to a 10% level. Depending on the profile selected the device remains at this light level ("never off" profile) or switches off completely after the appropriate delay ("Switch off" profile). This arrangement provides efficient energy savings in 24-hour applications where light is needed round the clock for safety reasons, for example in stairwells and corridors in public buildings, and in large apartment complexes, car parks, pedestrian underpasses, warehouses and underground railway stations.

Product	Length, mm	Width, mm	Height, mm	Luminaire output*, lm	System power*, W	System efficacy, lm/W	CRI	CCT*, K	Weight, kg
Norte I LED1x10500 G103 T830 ALU L40	935	114	80	9503	58,7	162	80+	3000	1,5
Norte I LED1x12350 G104 T830 ALU L40	935	114	80	11206	70,1	160	80+	3000	1,5
Norte I LED1x14250 G105 T830 ALU L40	935	114	80	12922	82,5	157	80+	3000	1,5
Norte I LED1x15650 G106 T830 ALU L40	1190	114	80	14255	87,1	164	80+	3000	2,2
Norte I LED1x18550 G107 T830 ALU L40	1190	114	80	16809	104,0	162	80+	3000	2,2
Norte I LED1x21250 G108 T830 ALU L40	1190	114	80	19384	122,4	158	80+	3000	2,2
Norte I LED1x20900 G110 T830 ALU L40	1444	114	80	18909	114,6	165	80+	3000	2,8
Norte I LED1x24700 G111 T830 ALU L40	1444	114	80	22412	137,2	163	80+	3000	2,8
Norte I LED1x26450 G116 T830 ALU L40	1444	114	80	24050	149,6	161	80+	3000	2,8
Norte I LED1x28350 G112 T830 ALU L40	1444	114	80	25711	162,8	158	80+	3000	2,8
Norte I LED1x31100 G113 T830 ALU L40	1953	114	80	28217	173,2	163	80+	3000	4,1
Norte I LED1x36900 G114 T830 ALU L40	1953	114	80	33444	207,4	161	80+	3000	4,1
Norte I LED1x42300 G115 T830 ALU L40	1953	114	80	38367	243,5	158	80+	3000	4,1
Norte I LED1x10500 G103 T840 ALU L40	935	114	80	10031	58,7	171	80+	4000	1,5
Norte I LED1x12350 G104 T840 ALU L40	935	114	80	11829	70,1	169	80+	4000	1,5
Norte I LED1x14250 G105 T840 ALU L40	935	114	80	13640	82,5	165	80+	4000	1,5
Norte I LED1x15650 G106 T840 ALU L40	1190	114	80	14969	86,9	172	80+	4000	2,2
Norte I LED1x18550 G107 T840 ALU L40	1190	114	80	17743	104,0	171	80+	4000	2,2
Norte I LED1x21250 G108 T840 ALU L40	1190	114	80	20355	122,1	167	80+	4000	2,2
Norte I LED1x20900 G110 T840 ALU L40	1444	114	80	19959	114,6	174	80+	4000	2,8
Norte I LED1x24700 G111 T840 ALU L40	1444	114	80	23657	137,2	172	80+	4000	2,8
Norte I LED1x26450 G116 T840 ALU L40	1444	114	80	25315	149,6	169	80+	4000	2,8
Norte I LED1x28350 G112 T840 ALU L40	1444	114	80	27140	162,8	167	80+	4000	2,8
Norte I LED1x31100 G113 T840 ALU L40	1953	114	80	29784	173,2	172	80+	4000	4,1
Norte I LED1x36900 G114 T840 ALU L40	1953	114	80	35302	207,4	170	80+	4000	4,1
Norte I LED1x42300 G115 T840 ALU L40	1953	114	80	40499	243,5	166	80+	4000	4,1
Norte I LED1x10500 G103 T830 ALU L30x65	935	114	80	9399	58,7	160	80+	3000	1,5
Norte I LED1x12350 G104 T830 ALU L30x65	935	114	80	11083	70,1	158	80+	3000	1,5
Norte I LED1x14250 G105 T830 ALU L30x65	935	114	80	12780	82,5	155	80+	3000	1,5
Norte I LED1x15650 G106 T830 ALU L30x65	1190	114	80	14098	87,1	162	80+	3000	2,2
Norte I LED1x18550 G107 T830 ALU L30x65	1190	114	80	16624	104,0	160	80+	3000	2,2
Norte I LED1x21250 G108 T830 ALU L30x65	1190	114	80	19171	122,4	157	80+	3000	2,2
Norte I LED1x20900 G110 T830 ALU L30x65	1444	114	80	18701	114,6	163	80+	3000	2,8
Norte I LED1x24700 G111 T830 ALU L30x65	1444	114	80	22166	137,2	162	80+	3000	2,8
Norte I LED1x26450 G116 T830 ALU L30x65	1444	114	80	23785	149,6	159	80+	3000	2,8
Norte I LED1x28350 G112 T830 ALU L30x65	1444	114	80	25429	162,8	156	80+	3000	2,8
Norte I LED1x31100 G113 T830 ALU L30x65	1953	114	80	27907	173,2	161	80+	3000	4,1
Norte I LED1x36900 G114 T830 ALU L30x65	1953	114	80	33077	207,4	159	80+	3000	4,1
Norte I LED1x42300 G115 T830 ALU L30x65	1953	114	80	37945	243,5	156	80+	3000	4,1
Norte I LED1x10500 G103 T840 ALU L30x65	935	114	80	9921	58,7	169	80+	4000	1,5
Norte I LED1x12350 G104 T840 ALU L30x65	935	114	80	11699	70,1	167	80+	4000	1,5
Norte I LED1x14250 G105 T840 ALU L30x65	935	114	80	13490	82,5	164	80+	4000	1,5
Norte I LED1x15650 G106 T840 ALU L30x65	1190	114	80	14805	86,9	170	80+	4000	2,2
Norte I LED1x18550 G107 T840 ALU L30x65	1190	114	80	17548	104,0	169	80+	4000	2,2
Norte I LED1x21250 G108 T840 ALU L30x65	1190	114	80	20131	122,1	165	80+	4000	2,2
Norte I LED1x20900 G110 T840 ALU L30x65	1444	114	80	19740	114,6	172	80+	4000	2,8
Norte I LED1x24700 G111 T840 ALU L30x65	1444	114	80	23397	137,2	171	80+	4000	2,8
Norte I LED1x26450 G116 T840 ALU L30x65	1444	114	80	25037	149,6	167	80+	4000	2,8
Norte I LED1x28350 G112 T840 ALU L30x65	1444	114	80	26842	162,8	165	80+	4000	2,8
Norte I LED1x31100 G113 T840 ALU L30x65	1953	114	80	29457	173,2	170	80+	4000	4,1
Norte I LED1x36900 G114 T840 ALU L30x65	1953	114	80	34914	207,4	168	80+	4000	4,1
Norte I LED1x42300 G115 T840 ALU L30x65	1953	114	80	40054	243,5	164	80+	4000	4,1
Norte I LED1x10500 G103 T830 ALU L60	935	114	80	9921	58,7	169	80+	3000	1,5
Norte I LED1x12350 G104 T830 ALU L60	935	114	80	11699	70,1	167	80+	3000	1,5
Norte I LED1x14250 G105 T830 ALU L60	935	114	80	13490	82,5	164	80+	3000	1,5
Norte I LED1x15650 G106 T830 ALU L60	1190	114	80	14881	87,1	171	80+	3000	2,2
Norte I LED1x18550 G107 T830 ALU L60	1190	114	80	17548	104,0	169	80+	3000	2,2
Norte I LED1x21250 G108 T830 ALU L60	1190	114	80	20236	122,4	165	80+	3000	2,2
Norte I LED1x20900 G110 T830 ALU L60	1444	114	80	19740	114,6	172	80+	3000	2,8
Norte I LED1x24700 G111 T830 ALU L60	1444	114	80	23397	137,2	171	80+	3000	2,8
Norte I LED1x26450 G116 T830 ALU L60	1444	114	80	25107	149,6	168	80+	3000	2,8
Norte I LED1x28350 G112 T830 ALU L60	1444	114	80	26842	162,8	165	80+	3000	2,8
Norte I LED1x31100 G113 T830 ALU L60	1953	114	80	29457	173,2	170	80+	3000	4,1
Norte I LED1x36900 G114 T830 ALU L60	1953	114	80	34914	207,4	168	80+	3000	4,1
Norte I LED1x42300 G115 T830 ALU L60	1953	114	80	40054	243,5	164	80+	3000	4,1
Norte I LED1x10500 G103 T840 ALU L60	935	114	80	10472	58,7	178	80+	4000	1,5
Norte I LED1x12350 G104 T840 ALU L60	935	114	80	12348	70,1	176	80+	4000	1,5
Norte I LED1x14250 G105 T840 ALU L60	935	114	80	14240	82,5	173	80+	4000	1,5
Norte I LED1x15650 G106 T840 ALU L60	1190	114	80	15627	86,9	180	80+	4000	2,2
Norte I LED1x18550 G107 T840 ALU L60	1190	114	80	18523	104,0	178	80+	4000	2,2
Norte I LED1x21250 G108 T840 ALU L60	1190	114	80	21250	122,1	174	80+	4000	2,2
Norte I LED1x20900 G110 T840 ALU L60	1444	114	80	20837	114,6	182	80+	4000	2,8
Norte I LED1x24700 G111 T840 ALU L60	1444	114	80	24697	137,2	180	80+	4000	2,8
Norte I LED1x26450 G116 T840 ALU L60	1444	114	80	26428	149,6	177	80+	4000	2,8
Norte I LED1x28350 G112 T840 ALU L60	1444	114	80	28333	162,8	174	80+	4000	2,8
Norte I LED1x31100 G113 T840 ALU L60	1953	114	80	31094	173,2	180	80+	4000	4,1
Norte I LED1x36900 G114 T840 ALU L60	1953	114	80	36854	207,4	178	80+	4000	4,1
Norte I LED1x42300 G115 T840 ALU L60	1953	114	80	42279	243,5	174	80+	4000	4,1
Norte I LED1x10500 G103 T830 ALU L75	935	114	80	9503	58,7	162	80+	3000	1,5
Norte I LED1x12350 G104 T830 ALU L75	935	114	80	11206	70,1	160	80+	3000	1,5
Norte I LED1x14250 G105 T830 ALU L75	935	114	80	12922	82,5	157	80+	3000	1,5
Norte I LED1x15650 G106 T830 ALU L75	1190	114	80	14255	87,1	164	80+	3000	2,2
Norte I LED1x18550 G107 T830 ALU L75	1190	114	80	16809	104,0	162	80+	3000	2,2
Norte I LED1x21250 G108 T830 ALU L75	1190	114	80	19384	122,4	158	80+	3000	2,2
Norte I LED1x20900 G110 T830 ALU L75	1444	114	80	18909	114,6	165	80+	3000	2,8
Norte I LED1x24700 G111 T830 ALU L75	1444	114	80	22412	137,2	163	80+	3000	2,8
Norte I LED1x26450 G116 T830 ALU L75	1444	114	80	24050	149,6	161	80+	3000	2,8
Norte I LED1x28350 G112 T830 ALU L75	1444	114	80	25711	162,8	158	80+	3000	2,8
Norte I LED1x31100 G113 T830 ALU L75	1953	114	80	28217	173,2	163	80+	3000	4,1
Norte I LED1x36900 G114 T830 ALU L75	1953	114	80	33444	207,4	161	80+	3000	4,1
Norte I LED1x42300 G115 T830 ALU L75	1953	114	80	38367	243,5	158	80+	3000	4,1
Norte I LED1x10500 G103 T840 ALU L75	935	114	80	10031	58,7	171	80+	4000	1,5
Norte I LED1x12350 G104 T840 ALU L75	935	114	80	11829	70,1	169	80+	4000	1,5

Product	Length, mm	Width, mm	Height, mm	Luminaire output*, lm	System power*, W	System efficacy, lm/W	CRI	CCT*, K	Weight, kg
Norte I LED1x14250 G105 T840 ALU L75	935	114	80	13640	82,5	165	80+	4000	1,5
Norte I LED1x15650 G106 T840 ALU L75	1190	114	80	14969	86,9	172	80+	4000	2,2
Norte I LED1x18550 G107 T840 ALU L75	1190	114	80	17743	104,0	171	80+	4000	2,2
Norte I LED1x21250 G108 T840 ALU L75	1190	114	80	20355	122,1	167	80+	4000	2,2
Norte I LED1x20900 G110 T840 ALU L75	1444	114	80	19959	114,6	174	80+	4000	2,8
Norte I LED1x24700 G111 T840 ALU L75	1444	114	80	23657	137,2	172	80+	4000	2,8
Norte I LED1x26450 G116 T840 ALU L75	1444	114	80	25315	149,6	169	80+	4000	2,8
Norte I LED1x28350 G112 T840 ALU L75	1444	114	80	27140	162,8	167	80+	4000	2,8
Norte I LED1x31100 G113 T840 ALU L75	1953	114	80	29784	173,2	172	80+	4000	4,1
Norte I LED1x36900 G114 T840 ALU L75	1953	114	80	35302	207,4	170	80+	4000	4,1
Norte I LED1x42300 G115 T840 ALU L75	1953	114	80	40499	243,5	166	80+	4000	4,1
Norte I LED1x10500 G103 T830 ALU L90x90	935	114	80	9921	58,7	169	80+	3000	1,5
Norte I LED1x12350 G104 T830 ALU L90x90	935	114	80	11699	70,1	167	80+	3000	1,5
Norte I LED1x14250 G105 T830 ALU L90x90	935	114	80	13490	82,5	164	80+	3000	1,5
Norte I LED1x15650 G106 T830 ALU L90x90	1190	114	80	14881	87,1	171	80+	3000	2,2
Norte I LED1x18550 G107 T830 ALU L90x90	1190	114	80	17548	104,0	169	80+	3000	2,2
Norte I LED1x21250 G108 T830 ALU L90x90	1190	114	80	20236	122,4	165	80+	3000	2,2
Norte I LED1x20850 G110 T830 ALU L90x90	1444	114	80	19740	114,6	172	80+	3000	2,8
Norte I LED1x24700 G111 T830 ALU L90x90	1444	114	80	23397	137,2	171	80+	3000	2,8
Norte I LED1x26450 G116 T830 ALU L90x90	1444	114	80	25107	149,6	168	80+	3000	2,8
Norte I LED1x28350 G112 T830 ALU L90x90	1444	114	80	26842	162,8	165	80+	3000	2,8
Norte I LED1x31100 G113 T830 ALU L90x90	1953	114	80	29457	173,2	170	80+	3000	4,1
Norte I LED1x36900 G114 T830 ALU L90x90	1953	114	80	34914	207,4	168	80+	3000	4,1
Norte I LED1x42300 G115 T830 ALU L90x90	1953	114	80	40054	243,5	164	80+	3000	4,1
Norte I LED1x10500 G103 T840 ALU L90x90	935	114	80	10472	58,7	178	80+	4000	1,5
Norte I LED1x12350 G104 T840 ALU L90x90	935	114	80	12348	70,1	176	80+	4000	1,5
Norte I LED1x14250 G105 T840 ALU L90x90	935	114	80	14240	82,5	173	80+	4000	1,5
Norte I LED1x15650 G106 T840 ALU L90x90	1190	114	80	15627	86,9	180	80+	4000	2,2
Norte I LED1x18550 G107 T840 ALU L90x90	1190	114	80	18523	104,0	178	80+	4000	2,2
Norte I LED1x21250 G108 T840 ALU L90x90	1190	114	80	21250	122,1	174	80+	4000	2,2
Norte I LED1x20850 G110 T840 ALU L90x90	1444	114	80	20837	114,6	182	80+	4000	2,8
Norte I LED1x24700 G111 T840 ALU L90x90	1444	114	80	24697	137,2	180	80+	4000	2,8
Norte I LED1x26450 G116 T840 ALU L90x90	1444	114	80	26428	149,6	177	80+	4000	2,8
Norte I LED1x28350 G112 T840 ALU L90x90	1444	114	80	28333	162,8	174	80+	4000	2,8
Norte I LED1x31100 G113 T840 ALU L90x90	1953	114	80	31094	173,2	180	80+	4000	4,1
Norte I LED1x36900 G114 T840 ALU L90x90	1953	114	80	36854	207,4	178	80+	4000	4,1
Norte I LED1x42300 G115 T840 ALU L90x90	1953	114	80	42279	243,5	174	80+	4000	4,1
Norte I LED1x10500 G103 T830 ALU L120	935	114	80	9921	58,7	169	80+	3000	1,5
Norte I LED1x12350 G104 T830 ALU L120	935	114	80	11699	70,1	167	80+	3000	1,5
Norte I LED1x14250 G105 T830 ALU L120	935	114	80	13490	82,5	164	80+	3000	1,5
Norte I LED1x15650 G106 T830 ALU L120	1190	114	80	14881	87,1	171	80+	3000	2,2
Norte I LED1x18550 G107 T830 ALU L120	1190	114	80	17548	104,0	169	80+	3000	2,2
Norte I LED1x21250 G108 T830 ALU L120	1190	114	80	20236	122,4	165	80+	3000	2,2
Norte I LED1x20900 G110 T830 ALU L120	1444	114	80	19740	114,6	172	80+	3000	2,8
Norte I LED1x24700 G111 T830 ALU L120	1444	114	80	23397	137,2	171	80+	3000	2,8
Norte I LED1x26450 G116 T830 ALU L120	1444	114	80	25107	149,6	168	80+	3000	2,8
Norte I LED1x28350 G112 T830 ALU L120	1444	114	80	26842	162,8	165	80+	3000	2,8
Norte I LED1x31100 G113 T830 ALU L120	1953	114	80	29457	173,2	170	80+	3000	4,1
Norte I LED1x36900 G114 T830 ALU L120	1953	114	80	34914	207,4	168	80+	3000	4,1
Norte I LED1x42300 G115 T830 ALU L120	1953	114	80	40054	243,5	164	80+	3000	4,1
Norte I LED1x10500 G103 T840 ALU L120	935	114	80	10472	58,7	178	80+	4000	1,5
Norte I LED1x12350 G104 T840 ALU L120	935	114	80	12348	70,1	176	80+	4000	1,5
Norte I LED1x14250 G105 T840 ALU L120	935	114	80	14240	82,5	173	80+	4000	1,5
Norte I LED1x15650 G106 T840 ALU L120	1190	114	80	15627	86,9	180	80+	4000	2,2
Norte I LED1x18550 G107 T840 ALU L120	1190	114	80	18523	104,0	178	80+	4000	2,2
Norte I LED1x21250 G108 T840 ALU L120	1190	114	80	21250	122,1	174	80+	4000	2,2
Norte I LED1x20900 G110 T840 ALU L120	1444	114	80	20837	114,6	182	80+	4000	2,8
Norte I LED1x24700 G111 T840 ALU L120	1444	114	80	24697	137,2	180	80+	4000	2,8
Norte I LED1x26450 G116 T840 ALU L120	1444	114	80	26428	149,6	177	80+	4000	2,8
Norte I LED1x28350 G112 T840 ALU L120	1444	114	80	28333	162,8	174	80+	4000	2,8
Norte I LED1x31100 G113 T840 ALU L120	1953	114	80	31094	173,2	180	80+	4000	4,1
Norte I LED1x36900 G114 T840 ALU L120	1953	114	80	36854	207,4	178	80+	4000	4,1
Norte I LED1x42300 G115 T840 ALU L120	1953	114	80	42279	243,5	174	80+	4000	4,1
Norte I LED1x10500 G103 T830 ALU L1A50	935	114	80	9608	58,7	164	80+	3000	1,5
Norte I LED1x12350 G104 T830 ALU L1A50	935	114	80	11329	70,1	162	80+	3000	1,5
Norte I LED1x14250 G105 T830 ALU L1A50	935	114	80	13064	82,5	158	80+	3000	1,5
Norte I LED1x15650 G106 T830 ALU L1A50	1190	114	80	14411	87,1	165	80+	3000	2,2
Norte I LED1x18550 G107 T830 ALU L1A50	1190	114	80	16994	104,0	163	80+	3000	2,2
Norte I LED1x21250 G108 T830 ALU L1A50	1190	114	80	19597	122,4	160	80+	3000	2,2
Norte I LED1x20900 G110 T830 ALU L1A50	1444	114	80	19117	114,6	167	80+	3000	2,8
Norte I LED1x24700 G111 T830 ALU L1A50	1444	114	80	22658	137,2	165	80+	3000	2,8
Norte I LED1x26450 G116 T830 ALU L1A50	1444	114	80	24314	149,6	163	80+	3000	2,8
Norte I LED1x28350 G112 T830 ALU L1A50	1444	114	80	25994	162,8	160	80+	3000	2,8
Norte I LED1x31100 G113 T830 ALU L1A50	1953	114	80	28527	173,2	165	80+	3000	4,1
Norte I LED1x36900 G114 T830 ALU L1A50	1953	114	80	33812	207,4	163	80+	3000	4,1
Norte I LED1x42300 G115 T830 ALU L1A50	1953	114	80	38789	243,5	159	80+	3000	4,1
Norte I LED1x10500 G103 T840 ALU L1A50	935	114	80	10141	58,7	173	80+	4000	1,5
Norte I LED1x12350 G104 T840 ALU L1A50	935	114	80	11958	70,1	171	80+	4000	1,5
Norte I LED1x14250 G105 T840 ALU L1A50	935	114	80	13790	82,5	167	80+	4000	1,5
Norte I LED1x15650 G106 T840 ALU L1A50	1190	114	80	15134	86,9	174	80+	4000	2,2
Norte I LED1x18550 G107 T840 ALU L1A50	1190	114	80	17938	104,0	172	80+	4000	2,2
Norte I LED1x21250 G108 T840 ALU L1A50	1190	114	80	20579	122,1	169	80+	4000	2,2
Norte I LED1x20900 G110 T840 ALU L1A50	1444	114	80	20179	114,6	176	80+	4000	2,8
Norte I LED1x24700 G111 T840 ALU L1A50	1444	114	80	23917	137,2	174	80+	4000	2,8
Norte I LED1x26450 G116 T840 ALU L1A50	1444	114	80	25594	149,6	171	80+	4000	2,8
Norte I LED1x28350 G112 T840 ALU L1A50	1444	114	80	27438	162,8	169	80+	4000	2,8
Norte I LED1x31100 G113 T840 ALU L1A50	1953	114	80	30112	173,2	174	80+	4000	4,1
Norte I LED1x36900 G114 T840 ALU L1A50	1953	114	80	35690	207,4	172	80+	4000	4,1
Norte I LED1x42300 G115 T840 ALU L1A50	1953	114	80	40944	243,5	168	80+	4000	4,1
*note - for accurate beam control please consider using adjustable brackets accessory									
Norte I LED1x10500 G103 T840 ALU L60 SPORT	935	114	91	9480	58,7	161	80+	4000	1,9

Product	Length, mm	Width, mm	Height, mm	Luminaire output*, lm	System power*, W	System efficacy, lm/W	CRI	CCT*, K	Weight, kg
Norte I LED1x12350 G104 T840 ALU L60 SPORT	935	114	91	11179	70,1	159	80+	4000	1,9
Norte I LED1x14250 G105 T840 ALU L60 SPORT	935	114	91	12891	82,5	156	80+	4000	1,9
Norte I LED1x15650 G106 T840 ALU L60 SPORT	1190	114	91	14147	86,9	163	80+	4000	2,6
Norte I LED1x18550 G107 T840 ALU L60 SPORT	1190	114	91	16768	104,0	161	80+	4000	2,6
Norte I LED1x21250 G108 T840 ALU L60 SPORT	1190	114	91	19237	122,1	158	80+	4000	2,6
Norte I LED1x20900 G110 T840 ALU L60 SPORT	1444	114	91	18863	114,6	165	80+	4000	3,3
Norte I LED1x24700 G111 T840 ALU L60 SPORT	1444	114	91	22357	137,2	163	80+	4000	3,3
Norte I LED1x26450 G116 T840 ALU L60 SPORT	1444	114	91	23925	149,6	160	80+	4000	3,3
Norte I LED1x28350 G112 T840 ALU L60 SPORT	1444	114	91	25649	162,8	158	80+	4000	3,3
Norte I LED1x31100 G113 T840 ALU L60 SPORT	1953	114	91	28148	173,2	163	80+	4000	4,6
Norte I LED1x36900 G114 T840 ALU L60 SPORT	1953	114	91	33363	207,4	161	80+	4000	4,6
Norte I LED1x42300 G115 T840 ALU L60 SPORT	1953	114	91	38273	243,5	157	80+	4000	4,6
Norte I LED1x10500 G103 T840 ALU L75 SPORT	935	114	91	9039	58,7	154	80+	4000	1,5
Norte I LED1x12350 G104 T840 ALU L75 SPORT	935	114	91	10659	70,1	152	80+	4000	1,5
Norte I LED1x14250 G105 T840 ALU L75 SPORT	935	114	91	12291	82,5	149	80+	4000	1,5
Norte I LED1x15650 G106 T840 ALU L75 SPORT	1190	114	91	13489	86,9	155	80+	4000	2,2
Norte I LED1x18550 G107 T840 ALU L75 SPORT	1190	114	91	15988	104,0	154	80+	4000	2,2
Norte I LED1x21250 G108 T840 ALU L75 SPORT	1190	114	91	18342	122,1	150	80+	4000	2,2
Norte I LED1x20900 G110 T840 ALU L75 SPORT	1444	114	91	17985	114,6	157	80+	4000	2,8
Norte I LED1x24700 G111 T840 ALU L75 SPORT	1444	114	91	21317	137,2	155	80+	4000	2,8
Norte I LED1x26450 G116 T840 ALU L75 SPORT	1444	114	91	22812	149,6	152	80+	4000	2,8
Norte I LED1x28350 G112 T840 ALU L75 SPORT	1444	114	91	24456	162,8	150	80+	4000	2,8
Norte I LED1x31100 G113 T840 ALU L75 SPORT	1953	114	91	26839	173,2	155	80+	4000	4,1
Norte I LED1x36900 G114 T840 ALU L75 SPORT	1953	114	91	31811	207,4	153	80+	4000	4,1
Norte I LED1x42300 G115 T840 ALU L75 SPORT	1953	114	91	36493	243,5	150	80+	4000	4,1
Norte I LED1x10500 G103 T840 ALU L90x90 SPORT	935	114	91	9480	58,7	161	80+	4000	1,9
Norte I LED1x12350 G104 T840 ALU L90x90 SPORT	935	114	91	11179	70,1	159	80+	4000	1,9
Norte I LED1x14250 G105 T840 ALU L90x90 SPORT	935	114	91	12891	82,5	156	80+	4000	1,9
Norte I LED1x15650 G106 T840 ALU L90x90 SPORT	1190	114	91	14147	86,9	163	80+	4000	2,6
Norte I LED1x18550 G107 T840 ALU L90x90 SPORT	1190	114	91	16768	104,0	161	80+	4000	2,6
Norte I LED1x21250 G108 T840 ALU L90x90 SPORT	1190	114	91	19237	122,1	158	80+	4000	2,6
Norte I LED1x20850 G110 T840 ALU L90x90 SPORT	1444	114	91	18863	114,6	165	80+	4000	3,3
Norte I LED1x24700 G111 T840 ALU L90x90 SPORT	1444	114	91	22357	137,2	163	80+	4000	3,3
Norte I LED1x26450 G116 T840 ALU L90x90 SPORT	1444	114	91	23925	149,6	160	80+	4000	3,3
Norte I LED1x28350 G112 T840 ALU L90x90 SPORT	1444	114	91	25649	162,8	158	80+	4000	3,3
Norte I LED1x31100 G113 T840 ALU L90x90 SPORT	1953	114	91	28148	173,2	163	80+	4000	4,6
Norte I LED1x36900 G114 T840 ALU L90x90 SPORT	1953	114	91	33363	207,4	161	80+	4000	4,6
Norte I LED1x42300 G115 T840 ALU L90x90 SPORT	1953	114	91	38273	243,5	157	80+	4000	4,6
Norte I LED1x10500 G103 T840 ALU L120 SPORT	935	114	91	9480	58,7	161	80+	4000	1,9
Norte I LED1x12350 G104 T840 ALU L120 SPORT	935	114	91	11179	70,1	159	80+	4000	1,9
Norte I LED1x14250 G105 T840 ALU L120 SPORT	935	114	91	12891	82,5	156	80+	4000	1,9
Norte I LED1x15650 G106 T840 ALU L120 SPORT	1190	114	91	14147	86,9	163	80+	4000	2,6
Norte I LED1x18550 G107 T840 ALU L120 SPORT	1190	114	91	16768	104,0	161	80+	4000	2,6
Norte I LED1x21250 G108 T840 ALU L120 SPORT	1190	114	91	19237	122,1	158	80+	4000	2,6
Norte I LED1x20900 G110 T840 ALU L120 SPORT	1444	114	91	18863	114,6	165	80+	4000	3,3
Norte I LED1x24700 G111 T840 ALU L120 SPORT	1444	114	91	22357	137,2	163	80+	4000	3,3
Norte I LED1x26450 G116 T840 ALU L120 SPORT	1444	114	91	23925	149,6	160	80+	4000	3,3
Norte I LED1x28350 G112 T840 ALU L120 SPORT	1444	114	91	25649	162,8	158	80+	4000	3,3
Norte I LED1x31100 G113 T840 ALU L120 SPORT	1953	114	91	28148	173,2	163	80+	4000	4,6
Norte I LED1x36900 G114 T840 ALU L120 SPORT	1953	114	91	33363	207,4	161	80+	4000	4,6
Norte I LED1x42300 G115 T840 ALU L120 SPORT	1953	114	91	38273	243,5	157	80+	4000	4,6
Norte I LED1x10500 G103 T840 ALU L1A50 SPORT	935	114	91	9149	58,7	156	80+	4000	1,5
Norte I LED1x12350 G104 T840 ALU L1A50 SPORT	935	114	91	10789	70,1	154	80+	4000	1,5
Norte I LED1x14250 G105 T840 ALU L1A50 SPORT	935	114	91	12441	82,5	151	80+	4000	1,5
Norte I LED1x15650 G106 T840 ALU L1A50 SPORT	1190	114	91	13653	86,9	157	80+	4000	2,2
Norte I LED1x18550 G107 T840 ALU L1A50 SPORT	1190	114	91	16183	104,0	156	80+	4000	2,2
Norte I LED1x21250 G108 T840 ALU L1A50 SPORT	1190	114	91	18565	122,1	152	80+	4000	2,2
Norte I LED1x20900 G110 T840 ALU L1A50 SPORT	1444	114	91	18205	114,6	159	80+	4000	2,8
Norte I LED1x24700 G111 T840 ALU L1A50 SPORT	1444	114	91	21577	137,2	157	80+	4000	2,8
Norte I LED1x26450 G116 T840 ALU L1A50 SPORT	1444	114	91	23090	149,6	154	80+	4000	2,8
Norte I LED1x28350 G112 T840 ALU L1A50 SPORT	1444	114	91	24754	162,8	152	80+	4000	2,8
Norte I LED1x31100 G113 T840 ALU L1A50 SPORT	1953	114	91	27166	173,2	157	80+	4000	4,1
Norte I LED1x36900 G114 T840 ALU L1A50 SPORT	1953	114	91	32199	207,4	155	80+	4000	4,1
Norte I LED1x42300 G115 T840 ALU L1A50 SPORT	1953	114	91	36938	243,5	152	80+	4000	4,1

\*note - for accurate beam control please consider using adjustable brackets accessory

\*Tolerance range for optical and electrical data: ±10%. Values apply to an ambient temperature of 25°C. NORTHCLIFFE LIGHTING is constantly developing and improving its products. The right is reserved to change any product specifications without prior notification

\*Photos are for illustrational purposes only. The exact appearance of the product may vary depending on the monitor settings, options selected and other factors.



### Available options:

T830	Colour temperature 3000K, CRI 80+
T840	Colour temperature 4000K, CRI 80+
T857	Colour temperature 5700K, CRI 80+
T865	Colour temperature 6500K, CRI 80+
L30x65	Optics with 30x65 beam angle
L40	Optics with 40x40 beam angle
L60	Optics with 60x60 beam angle
L75	Optics with 75x75 beam angle
L90x90	Optics with 90x90 beam angle
L120	Optics with 120x120 beam angle
L1A50	Optics with asymmetric beam
SPORT	Luminaire equipped with white painted protection grid suitable for sport halls
DALI	Driver with DALI interface and switch-control dimming
<i>*note - for models with power above 155W two DALI addresses are used</i>	
HBEAIRB-M	Master luminaire with integrated smart sensor for high ceiling (up to 16m) and driver with wireless communication and grouping possibilities for lighting control
HBEAIRB-S	Slave luminaire with integrated EAIR type driver for lighting control
<i>*note - max system size 1x HBEAIRB-M + 1x HBEAIRB-S</i>	
<i>*note - the impact protection rating of the HBEAIRB-M option is IK05, except when the SPORT option is used.</i>	
<i>*note - max wire length from HBEAIRB-M to last HBEAIRB-S - 11m.</i>	
COR	Driver with Corridor function (never off)
COR1min	Driver with Corridor function 1min (switch off after 1 min.)
COR30min	Driver with Corridor function 30min (switch off after 30 min.)
HBPIR15m-M	Master luminaire with Integrated PIR and LUX level sensing sensor for high ceiling (up to 15 meters) with on-off control, possibility to connect and control other (slave) luminaires (parameters according to datasheet)
<i>*note - max switching load up to 2A</i>	
<i>*note - the impact protection rating of the HBPIR15m-M option is IK05, except when the SPORT option is used.</i>	
DALI HBPIRD15m-M	DALI master luminaire with Integrated driver and sensor for high ceilings (up to 15 meters), with possibility to control DALI (slave) luminaires (parameters according to datasheet)
<i>*note - max. 15 DALI slaves</i>	
<i>*note - the impact protection rating of the DALI HBPIRD15m-M option is IK05, except when the SPORT option is used</i>	

KRBLT HBPIR15m-M Master luminaire with smart batten-fit PIR sensor for high ceilings (up to 15 meters), Bluetooth controllable, with wireless communication and grouping possibility of slave luminaires.

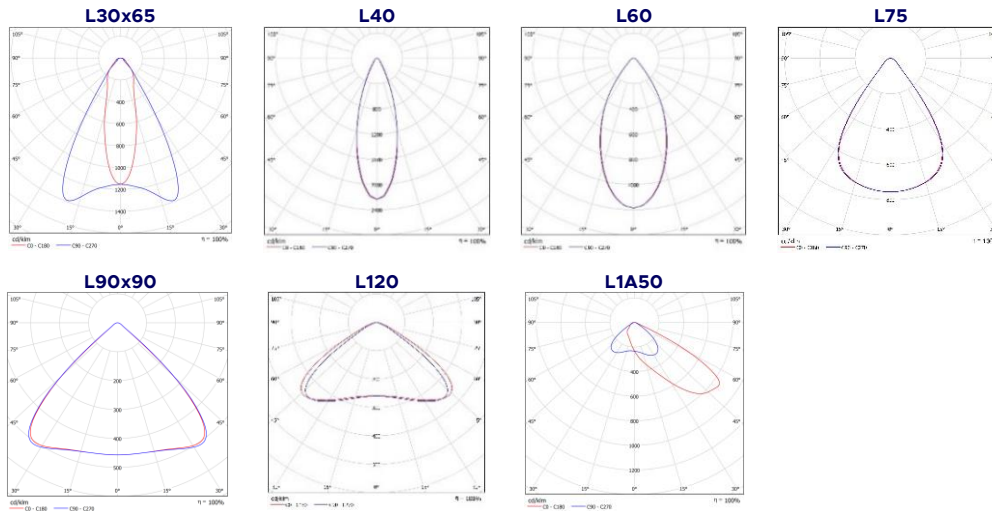
*\*note - the impact protection rating of the KRBLT HBPIR15m-M option is IK05, except when the SPORT option is used.*

DALI KRBLT HBPIRD15m-M Master luminaire with smart batten-fit PIR DALI sensor for high ceilings (up to 15 meters), Bluetooth controllable, with wireless communication and grouping possibility of slave luminaires.











*\*note - max. 15 DALI slaves*

*\*note - the impact protection rating of the DALI KRBLT HBPIRD15m-M option is IK05, except when the SPORT option is used.*

KRBLT	Integrated wireless control unit for KRBLT Bluetooth mesh system integration, ON/OFF
KRBLT DALI	Integrated wireless control unit for KRBLT Bluetooth mesh system integration, DALI
EM3	Emergency version 3 hours
EM3B	Emergency version 3 hours (best available technology)
EM3A	Emergency version equipped with an autonomous testing system, 3 hours
EM3D	Emergency version 3 hours with DALI interface
<i>*note - Operating temperature range for Luminaires with EM option, C: ta 0...+35</i>	
1LIN	Through wiring single phase d=1.5 mm <sup>2</sup> with two push-in terminal blocks
2LIN	Through wiring two phases d=1.5 mm <sup>2</sup> with two push-in terminal blocks
3LIN	Through wiring three phases d=1.5 mm <sup>2</sup> with two push-in terminal blocks
1LIN2.5	Through wiring single phase d=2.5 mm <sup>2</sup> with two push-in terminal blocks
2LIN2.5	Through wiring two phases d=2.5 mm <sup>2</sup> with two push-in terminal blocks
3LIN2.5	Through wiring three phases d=2.5 mm <sup>2</sup> with two push-in terminal blocks



### Available accessories:

	Product: Suspension MTG KIT - Norte I LED 1.5m Description: Suspension kit for Norte I LED high-bay, 1,5 meter		Product: Wire suspension BRACKETS - Norte I LED Description: Wire suspension brackets for Norte I LED high-bay, 2pcs
	Product: Suspension MTG KIT - Norte I LED 3.0m Description: Suspension kit for Norte I LED high-bay, 3,0 meter		
	Product: Suspension MTG KIT - Norte I LED 5.0m Description: Suspension kit for Norte I LED high-bay, 5,0 meter		
	GRID MTG KIT Norte I LED - 980x114mm RAL9003 Protective grid for Norte I LED luminaires up to size 980x114mm, white		
	GRID MTG KIT Norte I LED - 1235x114mm RAL9003 Protective grid for Norte I LED luminaires up to size 1235x114mm, white		
	GRID MTG KIT Norte I LED - 1490x114mm RAL9003 Protective grid for Norte I LED luminaires up to size 1490x114mm, white		
	GRID MTG KIT Norte I LED - 1998x114mm RAL9003 Protective grid for Norte I LED luminaires up to size 1998x114mm, white		Product: Adjustable brackets MTG KIT - Norte I LED Description: Ceiling and wall mounting brackets for Norte L LED with angle adjustment +/-75 degrees (every 15), galvanized steel, 2pcs
	Product: Remote Control HRC-11 Description: Integrated smart sensor for high ceiling (up to 16m) with wireless communication and grouping possibilities for lighting control <i>*note - remote control for HBPIR15m-M</i>		



**Applications:**

