

# 2FLAT2C

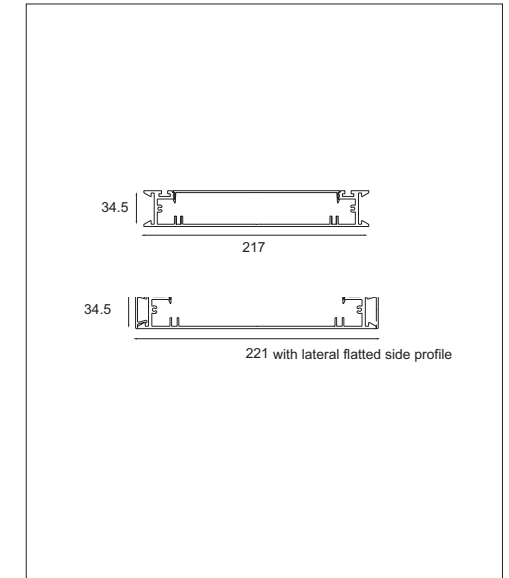


2FLAT2C  
DESIGNED BY ERIC VAN EGERSAAT  
ERASMUS UNIVERSITY COLLEGE, ROTTERDAM (NL)

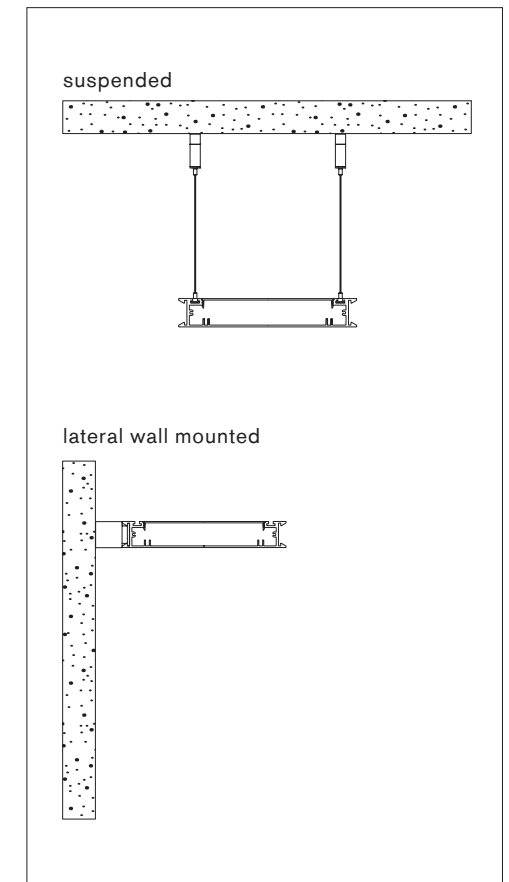
## Cross-section / mounting



2FLAT2C LED DEGREE DOWN BLACK



2FLAT2C TL5 1X 28W BAP DO



## 2FLAT2C Ready made

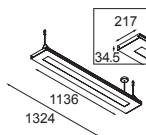
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### TL5 poly up/down GI



| suspended   | non-dim  | length* |
|-------------|----------|---------|
| alu         | 93160320 | 1324    |
| white struc | 93160322 | 1324    |

| lampinfo  |        |     |         |
|-----------|--------|-----|---------|
| 2x T16 G5 | 28/54W | 54W | up/down |



! incl. power feed kit 2m (transparent cable) & suspension set

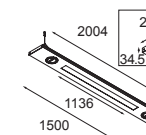


### TL5 poly up/down / AR111 down GI



| suspended   | non-dim  | length* |
|-------------|----------|---------|
| alu         | 93162220 | 2004    |
| white struc | 93162222 | 2004    |

| lampinfo         |        |     |         |
|------------------|--------|-----|---------|
| 2x T16 G5        | 28/54W | 54W | up/down |
| 2x QR-LP 111 G53 | 50W    | 50W | down    |



! incl. power feed kit 2m (transparent cable) & suspension set

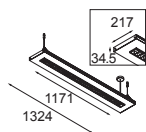


### TL5 bap up/down GI

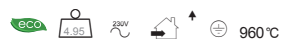


| suspended   | non-dim  | length* |
|-------------|----------|---------|
| alu         | 93160120 | 1324    |
| white struc | 93160122 | 1324    |

| lampinfo  |        |     |         |
|-----------|--------|-----|---------|
| 1x T16 G5 | 28/54W | 54W | up/down |



! incl. power feed kit 2m (transparent cable) & suspension set

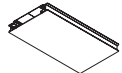

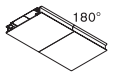
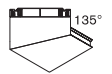
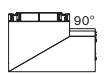



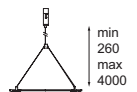

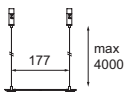
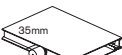
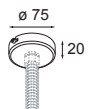







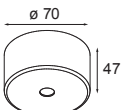
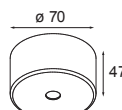


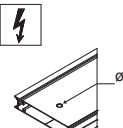
**READY MADE PROFILES**  
SHORTER LEADTIME. COST SAVING UP TO 20%\*.  
\*compared to linear custom made profiles

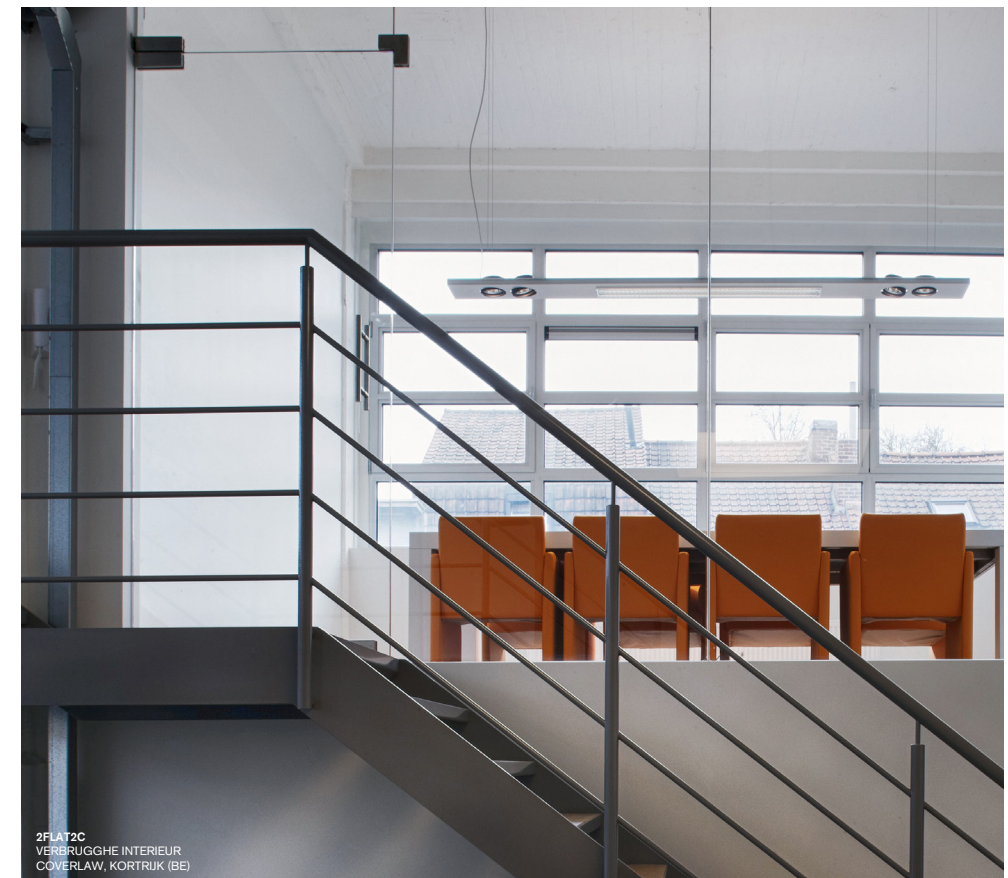
\* length including endplates

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## 2FLAT2C Components

|   |   |  |   |
|---|---|--|---|
| <p><b>Profile Variation &gt;</b></p>  | <p>profile alu /m</p>  <p>93160005<br/>93160005 + 93160008</p>                             | <p>prof. lateral flat alu/m</p>  <p>93168451<br/>93168451 + 93160451</p>                | <p><b>Connections &gt;</b></p>  |
| <p>connection 180°</p>  <p>93160050</p>  | <p>connection 135°</p>  <p>93160055</p>  | <p>connection 90°</p>  <p>93160060</p>  | <p><b>Endplates &gt;</b></p>  |
| <p>endplate standard</p>  <p>93160180<br/>93160180 + 93160188</p>                                | <p>endplate flatted</p>  <p>93168452<br/>93168452 + 93160188</p>                           | <p>wall support</p>  <p>93160160</p>  | <p><b>Fixation/ Mounting &gt;</b></p>   |
| <p>suspension twin 4m</p>  <p>min 260<br/>max 4000</p> <p>93000145<br/>93000145 + 93000146</p> | <p>hinged suspension 4m</p>  <p>93000147<br/>93009147<br/>93000147 + 93000149</p>        | <p>suspension set 4m</p>  <p>177 max 4000</p> <p>93000150<br/>93000150 + 93000158</p> | <p>lateral wall support</p>  <p>35mm</p> <p>93160161<br/>93160161 + 93160162</p>              |
| <p><b>Electrical supply &gt;</b></p>  | <p>connection box</p>  <p>93000151<br/>93003351<br/>93000951<br/>93000151 + 93000153</p> | <p>flexible</p>  <p>1m 93000152<br/>/m 93000252</p>                                   | <p>power feed tube 1m</p>  <p>93000156<br/>93003156<br/>93000956<br/>93000156 + 93000157</p> |

|   |  |  |   |
|---|--|--|---|
| <p>power feed tube/m</p>  <p>93000256<br/>93003256<br/>93000956<br/>93000256 + 93000157</p>                                      | <p>power feed kit 2m (transparent cable)<br/>3x 1.5mm² alu</p>  <p>93002003<br/>93003203<br/>93002903<br/>93002003 + 93002053</p> | <p>power feed kit 2m (transparent cable)<br/>5x 1.5mm² alu</p>  <p>93002005<br/>93003205<br/>93002905<br/>93002005 + 93002053</p> | <p>connection box for<br/>transparent cable 3x 1.5mm² alu</p>  <p>93002151<br/>93003151<br/>93002951<br/>93002151 + 93002053</p> |
| <p>connection box for<br/>transparent cable 5x 1.5mm² alu</p>  <p>93002251<br/>93003251<br/>93003951<br/>93002251 + 93002053</p> | <p>transparent cable/m<br/>3x 1.5mm²</p>  <p>93002152</p>   | <p>transparent cable/m<br/>5x 1.5mm²</p>  <p>93002252</p>   | <p>hole for power supply</p>  <p>93000100 <b>new</b></p>   |



2FLAT2C Linear custom made modules

2FLAT2C Linear custom made modules

LED

**Smart cake LED black structure**

|               | 2700K non-dim | 2700K 1-10V/Pushdim | 2700K Dali | mod / asym / sym |
|---------------|---------------|---------------------|------------|------------------|
| 1x warm white | 93161032      |                     |            | 82/284/486       |
| 1x warm white |               | 96161032            |            | 82/259/436       |
| 1x warm white |               |                     | 98161032   | 82/306/530       |

! 3000K, 3500K, 4000K on request

**Smart cake LED white structure**

|               | 2700K non-dim | 2700K 1-10V/Pushdim | 2700K Dali | mod / asym / sym |
|---------------|---------------|---------------------|------------|------------------|
| 1x warm white | 93161032      |                     |            | 82/284/486       |
| 1x warm white |               | 96161032            |            | 82/259/436       |
| 1x warm white |               |                     | 98161032   | 82/306/530       |

! 3000K, 3500K, 4000K on request

**new** **eco** LED Array

**LED degree down black**

|               | reflector | 2700K non-dim | 2700K 1-10V/ Pushdim | 2700K Dali | mod / asym / sym |
|---------------|-----------|---------------|----------------------|------------|------------------|
| 1x warm white | medium    | 93167132      | 96167132             | 98167132   | 130/350/569      |
| 2x warm white | medium    | 93167232      | 96167232             | 98167232   | 180/400/619      |
| 1x warm white | flood     | 93167133      | 96167133             | 98167133   | 130/350/569      |
| 2x warm white | flood     | 93167233      | 96167233             | 98167233   | 180/400/619      |

! 3000K, 3500K, 4000K on request

**eco** **ral** ...+93168051 LED Array v -25°/+25° h up 28 / h down 8

**Smart kup LED black structure**

|               | 2700K non-dim | 2700K 1-10V/Pushdim | 2700K Dali | mod / asym / sym |
|---------------|---------------|---------------------|------------|------------------|
| 1x warm white | 93161032      |                     |            | 82/284/486       |
| 1x warm white |               | 96161032            |            | 82/259/436       |
| 1x warm white |               |                     | 98161032   | 82/306/530       |

! 3000K, 3500K, 4000K on request

**Smart kup LED white structure**

|               | 2700K non-dim | 2700K 1-10V/Pushdim | 2700K Dali | mod / asym / sym |
|---------------|---------------|---------------------|------------|------------------|
| 1x warm white | 93161032      |                     |            | 82/284/486       |
| 1x warm white |               | 96161032            |            | 82/259/436       |
| 1x warm white |               |                     | 98161032   | 82/306/530       |

! 3000K, 3500K, 4000K on request

**new** **eco** LED Array

**unit black GI for M-LED 111**

|    | TreDim   | 1-10V    | Dali     | mod / asym / sym |
|----|----------|----------|----------|------------------|
| 1x | 93167332 | 96167332 | 98167332 | 180/310/440      |
| 2x | 93167342 | 96167342 | 98167342 | 180/310/440      |

! must be combined with M-LED 111 - see p.158

**new** **eco** **ral** ...+93168055 h 359° v -25°/+25° h up 20

**LED 1100lm**

|               | 3000K non-dim | 3000K Pushdim/Dali | mod / asym / sym |
|---------------|---------------|--------------------|------------------|
| 1x warm white | 93167183      | 98167183           | 140/404/668      |

! 4000K on request

**new** **eco**

**Smart lotis LED black structure**

|               | 2700K non-dim | 2700K 1-10V/Pushdim | 2700K Dali | mod / asym / sym |
|---------------|---------------|---------------------|------------|------------------|
| 1x warm white | 93164032      |                     |            | 82/284/486       |
| 1x warm white |               | 96164032            |            | 82/259/436       |
| 1x warm white |               |                     | 98164032   | 82/306/530       |

! 3000K, 3500K, 4000K on request

**Smart lotis LED white structure**

|               | 2700K non-dim | 2700K 1-10V/Pushdim | 2700K Dali | mod / asym / sym |
|---------------|---------------|---------------------|------------|------------------|
| 1x warm white | 93164109      |                     |            | 82/284/486       |
| 1x warm white |               | 96164109            |            | 82/259/436       |
| 1x warm white |               |                     | 98164109   | 82/306/530       |

! 3000K, 3500K, 4000K on request

**new** **eco** LED Array

**LED emergency pack 3h down 1,8Ah NiMH 275mA alu**

|       | non-dim  | mod / asym / sym |
|-------|----------|------------------|
| 1x 1W | 93161113 | 18/261/494       |

**eco** LED

**TL5 HE poly down**

|        | non-dim  | 1-10V    | DSI      | Pushdim/Dali | emergency pack 3h | mod / asym / sym |
|--------|----------|----------|----------|--------------|-------------------|------------------|
| 2x 14W | 93165114 | 96165114 | 97165114 | 98165114     | -                 | 610/665/720      |
| 2x 21W | 93165121 | 96165121 | 97165121 | 98165121     | 9316104           | 910/965/1020     |
| 2x 28W | 93165128 | 96165128 | 97165128 | 98165128     | 9316104           | 1210/1265/1320   |
| 2x 35W | 93165135 | 96165135 | 97165135 | 98165135     | 9316104           | 1510/1565/1620   |


**eco** T16 G5

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### 2FLAT2C Linear custom made modules

**TL5 HO poly down**


|        | non-dim  | 1-10V    | DSI      | Pushdim/Dali | emergency pack 3h | mod / asym / sym |
|--------|----------|----------|----------|--------------|-------------------|------------------|
| 2x 24W | 93165122 | 96165122 | 97165122 | 98165122     | -                 | 610/665/720      |
| 2x 39W | 93165137 | 96165137 | 97165137 | 98165137     | 93161012          | 910/965/1020     |
| 2x 54W | 93165152 | 96165152 | 97165152 | 98165152     | 93161012          | 1210/1265/1320   |
| 2x 49W | 93165149 | 96165149 | 97165149 | 98165149     | 93161012          | 1510/1565/1620   |



eco T16 G5

**TL5 HE poly up/down +po.u.cl.**


|        | non-dim  | 1-10V    | DSI      | Pushdim/Dali | emergency pack 3h | mod / asym / sym |
|--------|----------|----------|----------|--------------|-------------------|------------------|
| 2x 14W | 93165113 | 96165113 | 97165113 | 98165113     | -                 | 610/665/720      |
| 2x 21W | 93165120 | 96165120 | 97165120 | 98165120     | 9316104           | 910/965/1020     |
| 2x 28W | 93165127 | 96165127 | 97165127 | 98165127     | 9316104           | 1210/1265/1320   |
| 2x 35W | 93165134 | 96165134 | 97165134 | 98165134     | 9316104           | 1510/1565/1620   |



eco T16 G5

**TL5 HO poly up/down +po.u.cl.**


|        | non-dim  | 1-10V    | DSI      | Pushdim/Dali | emergency pack 3h | mod / asym / sym |
|--------|----------|----------|----------|--------------|-------------------|------------------|
| 2x 24W | 93165123 | 96165123 | 97165123 | 98165123     | -                 | 610/665/720      |
| 2x 39W | 93165138 | 96165138 | 97165138 | 98165138     | 93161012          | 910/965/1020     |
| 2x 54W | 93165153 | 96165153 | 97165153 | 98165153     | 93161012          | 1210/1265/1320   |
| 2x 49W | 96165148 | 96165148 | 97165148 | 98165148     | 93161012          | 1510/1565/1620   |



eco T16 G5

**TL5 HE uplight +po.u.cl.**

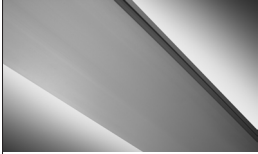
|        | non-dim  | 1-10V    | DSI      | Pushdim/Dali | emergency pack 3h | mod / asym / sym |
|--------|----------|----------|----------|--------------|-------------------|------------------|
| 2x 14W | 93165014 | 96165014 | 97165014 | 98165014     | -                 | 610/665/720      |
| 2x 21W | 93165021 | 96165021 | 97165021 | 98165021     | 93161011          | 910/965/1020     |
| 2x 28W | 93165028 | 96165028 | 97165028 | 98165028     | 93161011          | 1210/1265/1320   |
| 2x 35W | 93165035 | 96165035 | 97165035 | 98165035     | 93161011          | 1510/1565/1620   |



eco T16 G5

**TL5 HO uplight +po.u.cl.**

|        | non-dim  | 1-10V    | DSI      | Pushdim/Dali | emergency pack 3h | mod / asym / sym |
|--------|----------|----------|----------|--------------|-------------------|------------------|
| 2x 24W | 93165022 | 96165022 | 97165022 | 98165022     | -                 | 610/665/720      |
| 2x 39W | 93165037 | 96165037 | 97165037 | 98165037     | 93161012          | 910/965/1020     |
| 2x 54W | 93165052 | 96165052 | 97165052 | 98165052     | 93161012          | 1210/1265/1320   |
| 2x 49W | 93165049 | 96165049 | 97165049 | 98165049     | 93161012          | 1510/1565/1620   |





eco T16 G5

### 2FLAT2C Linear custom made modules

**TL5 HE bap down**



|        | non-dim  | 1-10V    | DSI      | Pushdim/Dali | emergency pack 3h | mod / asym / sym |
|--------|----------|----------|----------|--------------|-------------------|------------------|
| 1x 14W | 93165814 | 96165814 | 97165814 | 98165814     | -                 | 610/665/720      |
| 1x 21W | 93165821 | 96165821 | 97165821 | 98165821     | 93161011          | 910/965/1020     |
| 1x 28W | 93165828 | 96165828 | 97165828 | 98165828     | 93161011          | 1210/1265/1320   |
| 1x 35W | 93165835 | 96165835 | 97165835 | 98165835     | 93161011          | 1510/1565/1620   |
| 2x 14W | 93165914 | 96165914 | 97165914 | 98165914     | -                 | 610/665/720      |
| 2x 21W | 93165921 | 96165921 | 97165921 | 98165921     | 93161011          | 910/965/1020     |
| 2x 28W | 93165928 | 96165928 | 97165928 | 98165928     | 93161011          | 1210/1265/1320   |
| 2x 35W | 93165935 | 96165935 | 97165935 | 98165935     | 93161011          | 1510/1565/1620   |

eco T16 G5 h down 8

**TL5 HO bap down**



|        | non-dim  | 1-10V    | DSI      | Pushdim/Dali | emergency pack 3h | mod / asym / sym |
|--------|----------|----------|----------|--------------|-------------------|------------------|
| 1x 24W | 93165822 | 96165822 | 97165822 | 98165822     | -                 | 610/665/720      |
| 1x 39W | 93165837 | 96165837 | 97165837 | 98165837     | 93161012          | 910/965/1020     |
| 1x 54W | 93165852 | 96165852 | 97165852 | 98165852     | 93161012          | 1210/1265/1320   |
| 1x 49W | 93165849 | 96165849 | 97165849 | 98165849     | 93161012          | 1510/1565/1620   |
| 2x 49W | 93165949 | 96165949 | 97165949 | 98165949     | 93161012          | 1510/1565/1620   |
| 2x 24W | 93165922 | 96165922 | 97165922 | 98165922     | -                 | 610/665/720      |
| 2x 39W | 93165937 | 96165937 | 97165937 | 98165937     | 93161012          | 910/965/1020     |
| 2x 54W | 93165952 | 96165952 | 97165952 | 98165952     | 93161012          | 1210/1265/1320   |

eco T16 G5 h down 8

**TL5 HE bap up/down +po.u.cl.**

|        | non-dim  | 1-10V    | DSI      | Pushdim/Dali | emergency pack 3h | mod / asym / sym |
|--------|----------|----------|----------|--------------|-------------------|------------------|
| 1x 14W | 93165813 | 96165813 | 97165813 | 98165813     | -                 | 610/665/720      |
| 1x 21W | 93165820 | 96165820 | 97165820 | 98165820     | 93161011          | 910/965/1020     |
| 1x 28W | 93165827 | 96165827 | 97165827 | 98165827     | 93161011          | 1210/1265/1320   |
| 1x 35W | 93165834 | 96165834 | 97165834 | 98165834     | 93161011          | 1510/1565/1620   |
| 2x 14W | 93165913 | 96165913 | 97165913 | 98165913     | -                 | 610/665/720      |
| 2x 21W | 93165920 | 96165920 | 97165920 | 98165920     | 93161011          | 910/965/1020     |
| 2x 28W | 93165927 | 96165927 | 97165927 | 98165927     | 93161011          | 1210/1265/1320   |
| 2x 35W | 93165934 | 96165934 | 97165934 | 98165934     | 93161011          | 1510/1565/1620   |

eco T16 G5 h down 8

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## 2FLAT2C Linear custom made modules

TL5 HO bap up/down  
+po.u.cl.



|        | non-dim  | 1-10V    | DSI      | Pushdim/Dali | emergency pack 3h | mod/ asym/ sym |
|--------|----------|----------|----------|--------------|-------------------|----------------|
| 1x 24W | 93165823 | 96165823 | 97165823 | 98165823     | -                 | 610/665/720    |
| 1x 39W | 93165838 | 96165838 | 97165838 | 98165838     | 93161012          | 910/965/1020   |
| 1x 54W | 93165853 | 96165853 | 97165853 | 98165853     | 93161012          | 1210/1265/1320 |
| 1x 49W | 93165848 | 96165848 | 97165848 | 98165848     | 93161012          | 1510/1565/1620 |
| 2x 49W | 93165948 | 96165948 | 97165948 | 98165948     | 93161012          | 1510/1565/1620 |
| 2x 24W | 93165923 | 96165923 | 97165923 | 98165923     | -                 | 610/665/720    |
| 2x 39W | 93165938 | 96165938 | 97165938 | 98165938     | 93161012          | 910/965/1020   |
| 2x 54W | 93165953 | 96165953 | 97165953 | 98165953     | 93161012          | 1210/1265/1320 |



T16 G5

h down 8

## 2FLAT2C Linear custom made modules

MR16 LC down black



ral ...+93168051

|        | Dim R, L, C | Dali     | mod/asym/sym |
|--------|-------------|----------|--------------|
| 1x 50W | 93160190    | 98160190 | 125/245/365  |
| 2x 50W | 93160191    | 98160191 | 180/300/420  |

QR-CBC 51 Gu 5.3

h 359° v -25°/+25°

h up 50 / h down 30

MR16 k-1 down black



ral ...+93168051

|        | Dim R, L, C | Dali     | mod/asym/sym |
|--------|-------------|----------|--------------|
| 1x 50W | 93160198    | 98160198 | 100/280/460  |
| 2x 50W | 93160199    | 98160199 | 230/410/590  |

QR-CBC 51 Gu 5.3

h 359° v -17°/+17°

h up 20

AR111 unit down black



ral ...+93168055

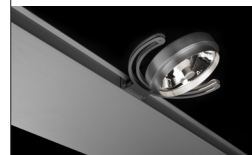
|        | Dim R, L, C | Dali     | mod/asym/sym |
|--------|-------------|----------|--------------|
| 1x 50W | 93160194    | 98160194 | 180/300/420  |
| 2x 50W | 93160195    | 98160195 | 295/415/535  |

QR-LP 111 G53

h 359° v -25°/+25°

h up 20

AR111 giro down brushed alu



ral ...+93168055

|        | Dim R, L, C | Dali     | mod/asym/sym |
|--------|-------------|----------|--------------|
| 1x 50W | 93160200    | 98160200 | 165/165/165  |
| 2x 50W | 93160201    | 98160201 | 345/345/345  |

QR-LP 111 G53

h 359° v -90°/+90°

h up 50 / h down 50

HIPAR-C16 degree down  
black



ral ...+93168051

|        | non-dim  | mod/asym/sym |
|--------|----------|--------------|
| 1x 20W | 93163117 | 120/280/440  |
| 1x 35W | 93163119 | 120/280/440  |
| 2x 20W | 93163118 | 210/465/510  |
| 2x 35W | 93163120 | 210/465/510  |

HIPAR-C16 Gx10

h 359° v -25°/+25°

FLUORESCENT





2FLAT2C  
BRAM SCHELSTRAETE  
CNOCKAERT, KRUISSHOUTEM (BE)

HALOGEN 12V

HALOGEN 12V

DISCHARGE

## 2FLAT2C Supplements

|   |   |
|---|---|
|  |  |
| <b>article</b> ral supplements  | <b>article</b> supplements  |
| 93168050 set up charge ral  | 93162000 suppl. extra circuit /m  |

