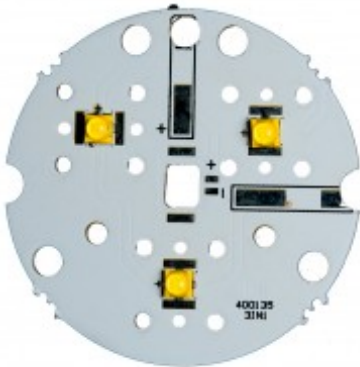


ROHS  
COMPLIANT



400044R1



## Product Features

- High efficiency 150lm/W
- Color rendering index CRI>70
- Color range  
White(2700...6500K),RED,GREEN,BLUE,AMBER
- Beam Angle :120°
- Self-cooling (no additional heat sink required)
- Type of protection :IP00
- Life time(L70B50) >50.000 h, at Tc=75°C
- MOQ:15/pcs

## Application Areas

- Spot Lighting
- Downlight Application
- Decorative Lighting
- Bulb Application



RESİM HAZIRLANIYOR

**General Specifications**

Operation Voltage	~9V
Module Driver Type	Constant Current
LED Package	3535

**Technical Specifications**

Length(mm)	44R
Width(mm)	
PCB Thicknes(mm)	1,6
PCB Material	Aluminum

**Electrical Specifications**

Series	3
Parallel	1
Total LED Quantity	3

**Connections Data**

Wire size	0,35-0,75mm <sup>2</sup>
Terminal Strip Length	3-4mm
Connection type	Cable soldering

**Operating conditions and characteristics**

Operating Temperature range	-20 ~ 80°C
Storage Temperature	-20 ~ 80°C

**Driving Current & Luminous Flux @(T<sub>j</sub>=25°C)**

Operating Module Current	Operating Current per LED	Operating Voltage (Typ)	Module Power	2700K			3000K			4000K			5000K			6500K		
				min.	Typ.	max.	min.	Typ.	max.	min.	Typ.	max.	min.	Typ.	max.	min.	Typ.	max.
350mA	350mA	8,7V	3W	390	400	410	390	400	410	417	427	438	468	480	491	468	480	491
500mA	500mA	8,9V	4,5W	534	547	560	534	547	560	571	585	599	641	657	673	641	657	673
700mA	700mA	9V	6,3W	697	714	731	697	714	731	758	776	795	850	871	893	850	871	893
1050mA	1050mA	9,2V	9,6W	977	1001	1026	977	1001	1026	1045	1071	1097	1172	1202	1231	1172	1202	1231

- Tolerance range for optical and electrical data:  $\pm 10\%$ .
- Performe can be chone by used heatsink or fixture

- The situation that exceed the specified values, it may

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### Product Features

- High efficiency 170lm/W
- Color rendering index CRI>70
- Color range  
White(2700...6500K),RED,GREEN,BLUE,AMBER
- Beam Angle :120°
- Self-cooling (no additional heat sink required)
- Type of protection :IP00
- Life time(L70B50) >50.000 h, at Tc=75°C
- MOQ:80/pcs

### Application Areas

- Spot Lighting
- Downlight Application
- Decorative Lighting
- Bulb Application



RESİM HAZIRLANIYOR

**General Specifications**

Operation Voltage	~12V
Module Driver Type	Constant Current
LED Package	7070

**Technical Specifications**

Length(mm)	45R
Width(mm)	
PCB Thicknes(mm)	1,6
PCB Material	Aluminum

**Electrical Specifications**

Series	1
Parallel	1
Total LED Quantity	1

**Connections Data**

Wire size	0,35-0,75mm2
Terminal Strip Length	3-4mm
Connection type	Cable soldering

**Operating conditions and characteristics**

Operating Temperature range	-20 ~ 80°C
Storage Temperature	-20 ~ 80°C

**Driving Current & Luminous Flux @(Tj=25°C)**

Operating Module Current	Operating Current per LED	Operating Voltage (Typ)	Module Power	2700K			3000K			4000K			5000K			6500K		
				min.	Typ.	max.	min.	Typ.	max.	min.	Typ.	max.	min.	Typ.	max.	min.	Typ.	max.
350mA	350mA	11,5V	4W	536	595	655	536	595	655	574	638	702	618	687	756	618	687	756
500mA	500mA	11,7V	5,9W	742	824	906	742	824	906	795	883	971	856	951	1046	856	951	1046
700mA	700mA	11,7V	8,2W	995	1106	1217	995	1106	1217	1067	1186	1305	1150	1278	1406	1150	1278	1406
1050mA	1050mA	12V	12,6W	1397	1552	1707	1397	1552	1707	1498	1664	1830	1613	1792	1971	1613	1792	1971

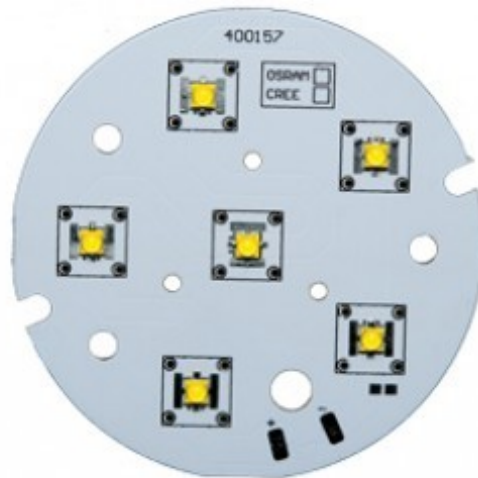
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### Product Features

- High efficiency 150lm/W
- Color rendering index CRI>70
- Color range  
White(2700...6500K),RED,GREEN,BLUE,AMBER
- Beam Angle :120°
- Self-cooling (no additional heat sink required)
- Type of protection :IP00
- Life time(L70B50) >50.000 h, at Tc=75°C
- MOQ:9/pcs

### Application Areas

- Spot Lighting
- Downlight Application
- Decorative Lighting
- Bulb Application



RESİM HAZIRLANIYOR

**General Specifications**

Operation Voltage	~18V
Module Driver Type	Constant Current
LED Package	3535

**Technical Specifications**

Length(mm)	70R
Width(mm)	
PCB Thicknes(mm)	1,6
PCB Material	Aluminum

**Electrical Specifications**

Series	6
Parallel	1
Total LED Quantity	6

**Connections Data**

Wire size	0,35-0,75mm <sup>2</sup>
Terminal Strip Length	3-4mm
Connection type	Cable soldering

**Operating conditions and characteristics**

Operating Temperature range	-20 ~ 80°C
Storage Temperature	-20 ~ 80°C

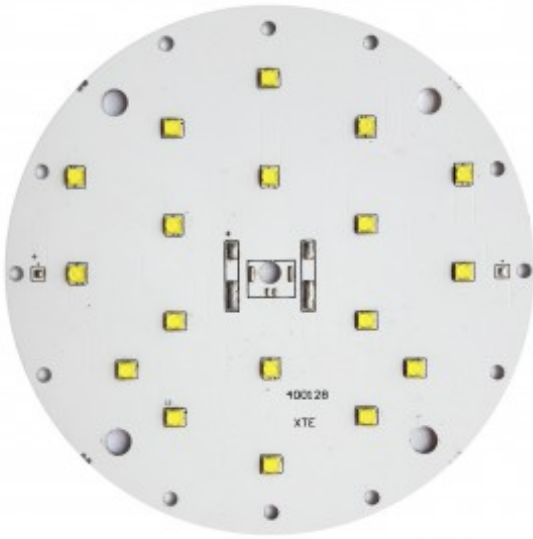
**Driving Current & Luminous Flux @(T<sub>j</sub>=25°C)**

Operating Module Current	Operating Current per LED	Operating Voltage (Typ)	Module Power	2700K			3000K			4000K			5000K			6500K		
				min.	Typ.	max.	min.	Typ.	max.	min.	Typ.	max.	min.	Typ.	max.	min.	Typ.	max.
350mA	350mA	17,4V	6W	780	800	819	780	800	819	834	855	876	936	959	983	936	959	983
500mA	500mA	17,7V	8,9W	1067	1094	1121	1067	1094	1121	1142	1170	1199	1281	1313	1345	1281	1313	1345
700mA	700mA	18V	12,6W	1393	1428	1463	1393	1428	1463	1515	1553	1591	1700	1743	1785	1700	1743	1785
1050mA	1050mA	18,4V	19,3W	1954	2002	2051	1954	2002	2051	2089	2141	2194	2345	2403	2462	2345	2403	2462

- Tolerance range for optical and electrical data:  $\pm 10\%$ .
- Performe can be chone by used heatsink or fixture
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### Product Features

- High efficiency 150lm/W
- Color rendering index CRI>70
- Color range  
White(2700...6500K),RED,GREEN,BLUE,AMBER
- Beam Angle :120°
- Self-cooling (no additional heat sink required)
- Type of protection :IP00
- Life time(L70B50) >50.000 h, at Tc=75°C
- MOQ:4/pcs

### Application Areas

- Spot Lighting
- Downlight Application
- Decorative Lighting





RESİM HAZIRLANIYOR

**General Specifications**

Operation Voltage	~27V
Module Driver Type	Constant Current
LED Package	3535

**Technical Specifications**

Length(mm)	110R
Width(mm)	
PCB Thicknes(mm)	1,6
PCB Material	Aluminum

**Electrical Specifications**

Series	9
Parallel	2
Total LED Quantity	18

**Connections Data**

Wire size	0,35-0,75mm2
Terminal Strip Length	3-4mm
Connection type	Cable soldering

**Operating conditions and characteristics**

Operating Temperature range	-20 ~ 80°C
Storage Temperature	-20 ~ 80°C

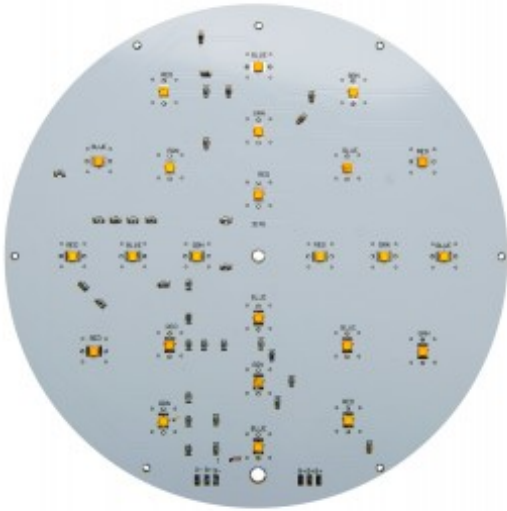
**Driving Current & Luminous Flux @(Tj=25°C)**

Operating Module Current	Operating Current per LED	Operating Voltage (Typ)	Module Power	2700K			3000K			4000K			5000K			6500K		
				min.	Typ.	max.	min.	Typ.	max.	min.	Typ.	max.	min.	Typ.	max.	min.	Typ.	max.
700mA	350mA	26,1V	18,3W	2340	2399	2457	2340	2399	2457	2502	2565	2627	2808	2878	2948	2808	2878	2948
1000mA	500mA	26,5V	26,5W	3202	3282	3362	3202	3282	3362	3425	3511	3597	3843	3939	4035	3843	3939	4035
1400mA	700mA	27V	37,8W	4180	4284	4389	4180	4284	4389	4545	4659	4772	5101	5229	5356	5101	5229	5356

- Tolerance range for optical and electrical data:  $\pm 10\%$ .
- Performe can be chone by used heatsink or fixture
- The situation that exceed the specified values, it may
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### Product Features

- High efficiency 150lm/W
- Color rendering index CRI>70
- Color range  
White(2700...6500K),RED,GREEN,BLUE,AMBER
- Beam Angle :120°
- Self-cooling (no additional heat sink required)
- Type of protection :IP00
- Life time(L70B50) >50.000 h, at Tc=75°C
- MOQ:1/pcs

### Application Areas

- Spot Lighting
- Downlight Application
- Decorative Lighting



RESİM HAZIRLANIYOR

**General Specifications**

Operation Voltage	~72V
Module Driver Type	Constant Current
LED Package	3535

**Technical Specifications**

Length(mm)	200R
Width(mm)	
PCB Thicknes(mm)	1,6
PCB Material	Aluminum

**Electrical Specifications**

Series	24
Parallel	1
Total LED Quantity	24

**Connections Data**

Wire size	0,35-0,75mm <sup>2</sup>
Terminal Strip Length	3-4mm
Connection type	Cable soldering

**Operating conditions and characteristics**

Operating Temperature range	-20 ~ 80°C
Storage Temperature	-20 ~ 80°C

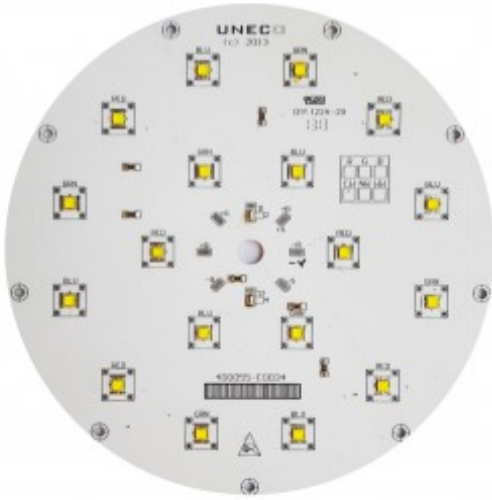
**Driving Current & Luminous Flux @(T<sub>J</sub>=25°C)**

Operating Module Current	Operating Current per LED	Operating Voltage (Typ)	Module Power	2700K			3000K			4000K			5000K			6500K		
				min.	Typ.	max.	min.	Typ.	max.	min.	Typ.	max.	min.	Typ.	max.	min.	Typ.	max.
350mA	350mA	69,6V	24,4W	3120	3198	3276	3120	3198	3276	3336	3419	3503	3744	3838	3931	3744	3838	3931
500mA	500mA	70,8V	35,4W	4270	4376	4483	4270	4376	4483	4567	4681	4796	5124	5252	5380	5124	5252	5380
700mA	700mA	72V	50,4W	5573	5712	5851	5573	5712	5851	6060	6212	6363	6802	6972	7142	6802	6972	7142
1050mA	1050mA	73,2V	76,9W	7814	8010	8205	7814	8010	8205	8357	8566	8775	9379	9614	9848	9379	9614	9848

- Tolerance range for optical and electrical data:  $\pm 10\%$ .
- Performe can be chone by used heatsink or fixture
- The situation that exceed the specified values, it may
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### Product Features

- High efficiency 150lm/W
- Color rendering index CRI>70
- Color range  
White(2700...6500K),RED,GREEN,BLUE,AMBER
- Beam Angle :120°
- Self-cooling (no additional heat sink required)
- Type of protection :IP00
- Life time(L70B50) >50.000 h, at Tc=75°C
- MOQ:1/pcs

### Application Areas

- Spot Lighting
- Downlight Application
- Decorative Lighting



RESİM HAZIRLANIYOR

**General Specifications**

Operation Voltage	45V/90V
Module Driver Type	Constant Current
LED Package	3535

**Technical Specifications**

Length(mm)	160R
Width(mm)	
PCB Thicknes(mm)	1,6
PCB Material	Aluminum

**Electrical Specifications**

Series	18/6
Parallel	1/3
Total LED Quantity	18

**Connections Data**

Wire size	0,35-0,75mm2
Terminal Strip Length	3-4mm
Connection type	Cable soldering

**Operating conditions and characteristics**

Operating Temperature range	-20 ~ 80°C
Storage Temperature	-20 ~ 80°C

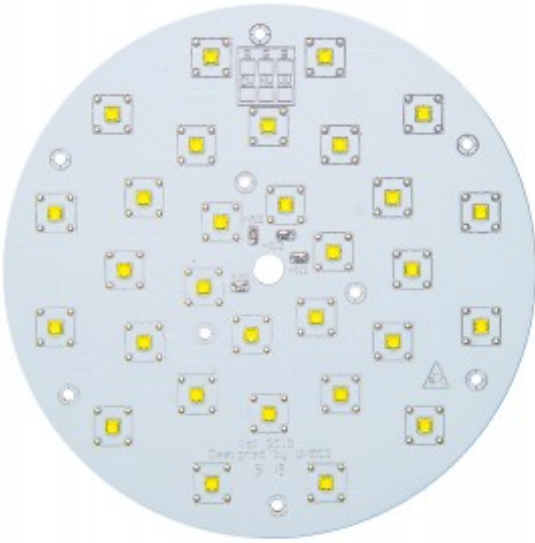
**Driving Current & Luminous Flux @(T<sub>J</sub>=25°C)**

Operating Module Current	Operating Current per LED	Operating Voltage (Typ)	Module Power	2700K			3000K			4000K			5000K			6500K		
				min.	Typ.	max.	min.	Typ.	max.	min.	Typ.	max.	min.	Typ.	max.	min.	Typ.	max.
700mA / 350mA	350mA	89,2V / 44,6V	31,2W	2340	2399	2457	2340	2399	2457	2502	2565	2627	2808	2878	2948	2808	2878	2948
1000mA / 500mA	500mA	89,2V / 44,6V	44,6W	3202	3282	3362	3202	3282	3362	3425	3511	3597	3843	3939	4035	3843	3939	4035
1400mA / 700mA	700mA	89,2V / 44,6V	62,5W	4180	4284	4389	4180	4284	4389	4545	4659	4772	5101	5229	5356	5101	5229	5356
2100mA / 1050mA	1050mA	89,2V / 44,6V	93,6W	5861	6007	6154	5861	6007	6154	6268	6424	6581	7034	7210	7386	7034	7210	7386

- Tolerance range for optical and electrical data:  $\pm 10\%$ .
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### Product Features

- High efficiency 150lm/W
- Color rendering index CRI>70
- Color range  
White(2700...6500K),RED,GREEN,BLUE,AMBER
- Beam Angle :120°
- Self-cooling (no additional heat sink required)
- Type of protection :IP00
- Life time(L70B50) >50.000 h, at Tc=75°C
- MOQ:1/pcs

### Application Areas

- Spot Lighting
- Downlight Application
- Decorative Lighting



RESİM HAZIRLANIYOR

**General Specifications**

Operation Voltage	45V/90V
Module Driver Type	Constant Current
LED Package	3535

**Technical Specifications**

Length(mm)	140R
Width(mm)	
PCB Thicknes(mm)	1,6
PCB Material	Aluminum

**Electrical Specifications**

Series	30/15
Parallel	1/2
Total LED Quantity	30

**Connections Data**

Wire size	0,35-0,75mm <sup>2</sup>
Terminal Strip Length	3-4mm
Connection type	Cable soldering

**Operating conditions and characteristics**

Operating Temperature range	-20 ~ 80°C
Storage Temperature	-20 ~ 80°C

**Driving Current & Luminous Flux @(T<sub>J</sub>=25°C)**

Operating Module Current	Operating Current per LED	Operating Voltage (Typ)	Module Power	2700K			3000K			4000K			5000K			6500K		
				min.	Typ.	max.	min.	Typ.	max.	min.	Typ.	max.	min.	Typ.	max.	min.	Typ.	max.
700mA/350mA	350mA	89,2V / 44,6V	31,2W	3900	3998	4095	3900	3998	4095	4170	4274	4379	4680	4797	4914	4680	4797	4914
1000mA/500mA	500mA	89,2V / 44,6V	44,6W	5337	5470	5604	5337	5470	5604	5709	5852	5994	6405	6565	6725	6405	6565	6725
1400mA/700mA	700mA	89,2V / 44,6V	62,5W	6966	7140	7314	6966	7140	7314	7575	7764	7954	8502	8715	8927	8502	8715	8927
2100mA/1050mA	1050mA	89,2V / 44,6V	93,6W	9768	10012	10256	9768	10012	10256	10446	10707	10968	11724	12017	12310	11724	12017	12310

- Tolerance range for optical and electrical data:  $\pm 10\%$ .
- Performe can be chone by used heatsink or fixture
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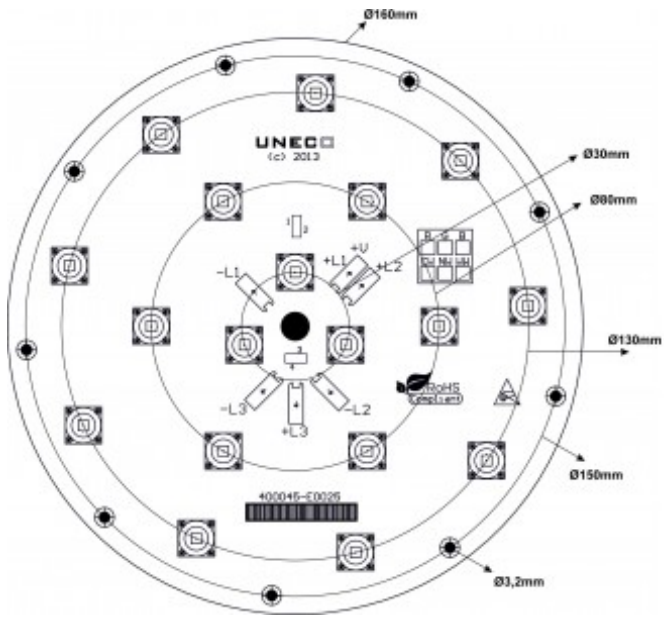
### Product Features

- High efficiency 150lm/W
- Color rendering index CRI>70
- Color range  
White(2700...6500K),RED,GREEN,BLUE,AMBER
- Beam Angle :120°/80°
- Self-cooling (no additional heat sink required)
- Type of protection :IP00
- Life time(L70B50) >50.000 h, at Tc=75°C
- MOQ:4/pcs

### Application Areas

- Spot Lighting
- Downlight Application
- Decorative Lighting





General Specifications	
Operation Voltage	~54V
Module Driver Type	Constant Current
LED Package	3030

Technical Specifications	
Length(mm)	160R
Width(mm)	
PCB Thicknes(mm)	1,6
PCB Material	Aluminum

Electrical Specifications	
Series	18
Parallel	1
Total LED Quantity	18

Connections Data	
Wire size	0,35-0,75mm <sup>2</sup>
Terminal Strip Length	3-4mm
Connection type	Cable soldering

Operating conditions and characteristics	
Operating Temperature range	-20 ~ 80°C
Storage Temperature	-20 ~ 80°C

Driving Current & Luminous Flux @(Tj=25°C)																		
Operating Module Current	Operating Current per LED	Operating Voltage (Typ)	Module Power	2700K			3000K			4000K			5000K			6500K		
				min.	Typ.	max.	min.	Typ.	max.	min.	Typ.	max.	min.	Typ.	max.	min.	Typ.	max.
350mA	350mA	53,1V	18,6W	1932	2034	2135	1932	2034	2135	2069	2178	2286	2205	2322	2438	2205	2322	2438
500mA	500mA	54V	27W	2599	2736	2872	2599	2736	2872	2770	2916	3061	2958	3114	3269	2810	2958	3105
700mA	700mA	54,9V	38,4W	3351	3528	3704	3351	3528	3704	3573	3762	3950	3813	4014	4214	3622	3813	4003

- Tolerance range for optical and electrical data: ±10 %.
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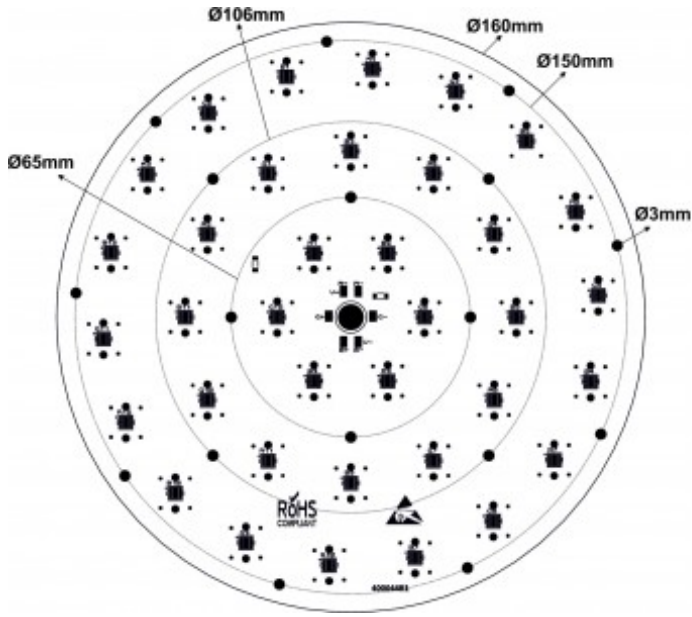


### Product Features

- High efficiency 150lm/W
- Color rendering index CRI>70
- Color range  
White(2700...6500K),RED,GREEN,BLUE,AMBER
- Beam Angle :120°
- Self-cooling (no additional heat sink required)
- Type of protection :IP00
- Life time(L70B50) >50.000 h, at Tc=75°C
- MOQ:1/pcs

### Application Areas

- Spot Lighting
- Downlight Application
- Decorative Lighting



#### General Specifications

Operation Voltage	107V
Module Driver Type	Constant Current
LED Package	3535

#### Technical Specifications

Length(mm)	160R
Width(mm)	
PCB Thicknes(mm)	1,6
PCB Material	Aluminum

#### Electrical Specifications

Series	36/12
Parallel	1/3
Total LED Quantity	36

#### Connections Data

Wire size	0,35-0,75mm <sup>2</sup>
Terminal Strip Length	3-4mm
Connection type	Cable soldering

#### Operating conditions and characteristics

Operating Temperature range	-20 ~ 80°C
Storage Temperature	-20 ~ 80°C

#### Driving Current & Luminous Flux @(T<sub>j</sub>=25°C)

Operating Module Current	Operating Current per LED	Operating Voltage (Typ)	Module Power	2700K			3000K			4000K			5000K			6500K		
				min.	Typ.	max.	min.	Typ.	max.	min.	Typ.	max.	min.	Typ.	max.	min.	Typ.	max.
350mA	350mA	107V	37,5W	4680	4797	4914	4680	4797	4914	5004	5129	5254	5616	5756	5896	5616	5756	5896
500mA	500mA	107V	53,5W	6404	6564	6724	6404	6564	6724	6850	7022	7193	7686	7878	8070	7686	7878	8070
700mA	700mA	107V	75W	8359	8568	8777	8359	8568	8777	9090	9317	9544	10202	10457	10712	10202	10457	10712
1050mA	1050mA	107V	112,5W	11721	12014	12307	11721	12014	12307	12535	12848	13161	14068	14420	14772	14068	14420	14772

- Tolerance range for optical and electrical data:  $\pm 10\%$ .
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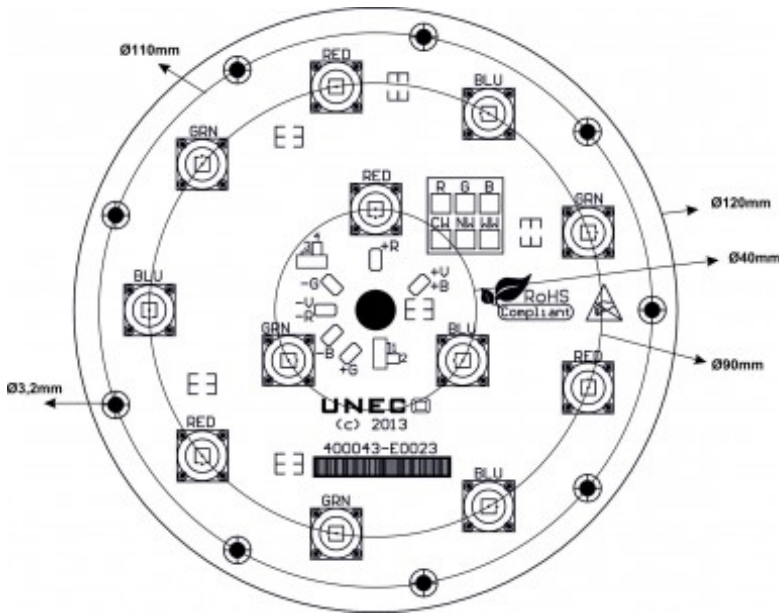


### Product Features

- High efficiency 150lm/W
- Color rendering index CRI>70
- Color range  
White(2700...6500K),RED,GREEN,BLUE,AMBER
- Beam Angle :120°/80°
- Self-cooling (no additional heat sink required)
- Type of protection :IP00
- Life time(L70B50) >50.000 h, at Tc=75°C
- MOQ:4/pcs

### Application Areas

- Spot Lighting
- Downlight Application
- Decorative Lighting



General Specifications	
Operation Voltage	~36V
Module Driver Type	Constant Current
LED Package	2828

Technical Specifications	
Length(mm)	120R
Width(mm)	
PCB Thicknes(mm)	1,6
PCB Material	Aluminum

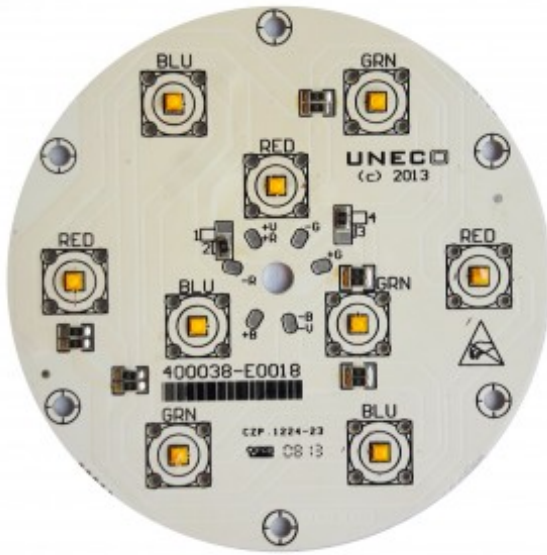
Electrical Specifications	
Series	12
Parallel	1
Total LED Quantity	12

Connections Data	
Wire size	0,35-0,75mm <sup>2</sup>
Terminal Strip Length	3-4mm
Connection type	Cable soldering

Operating conditions and characteristics	
Operating Temperature range	-20 ~ 80°C
Storage Temperature	-20 ~ 80°C

Driving Current & Luminous Flux @(T <sub>j</sub> =25°C)																		
Operating Module Current	Operating Current per LED	Operating Voltage (Typ)	Module Power	2700K			3000K			4000K			5000K			6500K		
				min.	Typ.	max.	min.	Typ.	max.	min.	Typ.	max.	min.	Typ.	max.	min.	Typ.	max.
350mA	350mA	35,4V	12,4W	1288	1356	1423	1288	1356	1423	1379	1452	1524	1470	1548	1625	1584	1668	1751
500mA	500mA	36V	18W	1732	1824	1915	1732	1824	1915	1846	1944	2041	1972	2076	2179	2109	2220	2331
700mA	700mA	36,6V	25,6W	2234	2352	2469	2234	2352	2469	2382	2508	2633	2542	2676	2809	2724	2868	3011

- Tolerance range for optical and electrical data: ±10 %.
- Performe can be chone by used heatsink or fixture
- The situation that exceed the specified values, it may
- Due to the special conditions of manufacturing processes of LED, the typical data of technical parameters can only reflect statistical figures and could differ from

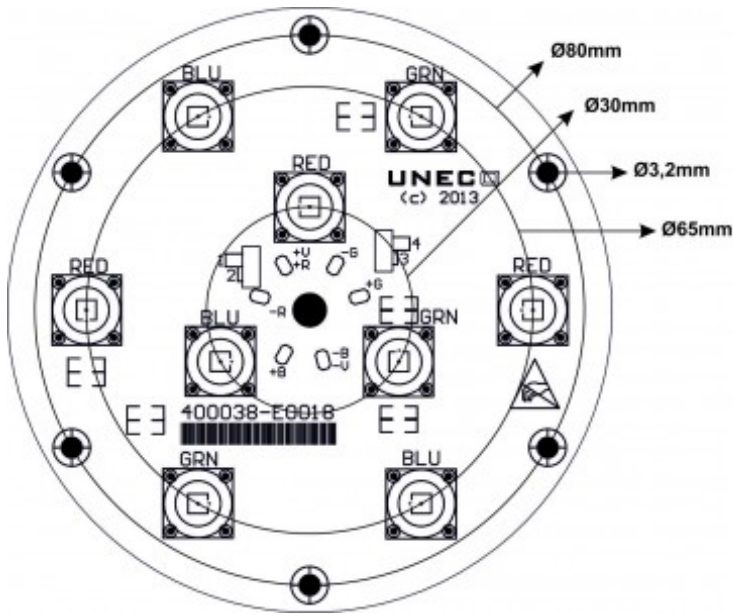


### Product Features

- High efficiency 150lm/W
- Color rendering index CRI>70
- Color range  
White(2700...6500K),RED,GREEN,BLUE,AMBER
- Beam Angle :120°/80°
- Self-cooling (no additional heat sink required)
- Type of protection :IP00
- Life time(L70B50) >50.000 h, at Tc=75°C
- MOQ:4/pcs

### Application Areas

- Spot Lighting
- Downlight Application
- Decorative Lighting



General Specifications	
Operation Voltage	~27V
Module Driver Type	Constant Current
LED Package	2828

Technical Specifications	
Length(mm)	88R
Width(mm)	
PCB Thicknes(mm)	1,6
PCB Material	Aluminum

Electrical Specifications	
Series	9
Parallel	1
Total LED Quantity	9

Connections Data	
Wire size	0,35-0,75mm <sup>2</sup>
Terminal Strip Length	3-4mm
Connection type	Cable soldering

Operating conditions and characteristics	
Operating Temperature range	-20 ~ 80°C
Storage Temperature	-20 ~ 80°C

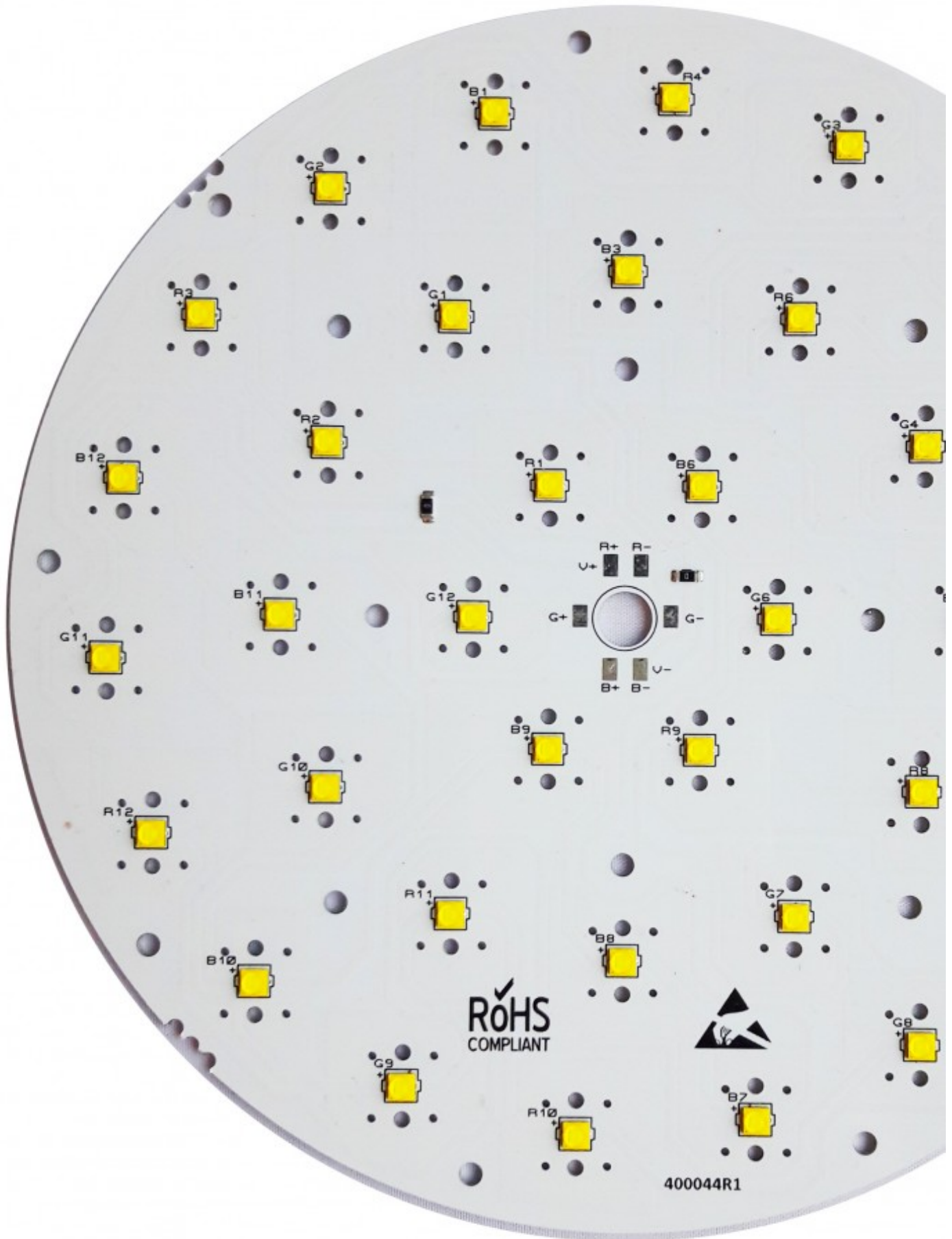
Driving Current & Luminous Flux @(Tj=25°C)																		
Operating Module Current	Operating Current per LED	Operating Voltage (Typ)	Module Power	2700K			3000K			4000K			5000K			6500K		
				min.	Typ.	max.	min.	Typ.	max.	min.	Typ.	max.	min.	Typ.	max.	min.	Typ.	max.
350mA	350mA	26,7V	9,6W	973	1025	1076	973	1025	1076	1042	1097	1151	1110	1169	1227	1188	1251	1313
500mA	500mA	27V	14,1W	1299	1368	1436	1299	1368	1436	1390	1464	1537	1482	1560	1638	1585	1669	1752
700mA	700mA	27,5V	20,39	1676	1765	1853	1676	1765	1853	1793	1888	1982	1911	2012	2112	2045	2153	2260

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